Electronic Data Interchange

NOTE: The content of this user manual was updated for Version 2.1. However, since this manual was produced in OfficeVision on the AS/400, it reflects the old format and JavaView screens are not included. The manual will be rewritten and converted to the new PC format for Version 2.2.

Frontier Version 2.1
User Manual

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BEFORE YOU BEGIN

Before you use this module, you must create the following master files used by Order Entry and Purchasing & Receiving:

- Customer Information
- Vendor Information
- Parameter Information

Customer Information - Before producing EDI documents for a customer/division, you must identify that customer in Customer Master Maintenance (CM52). To create EDI invoices for the customer/division, type the letter Y in the "EDI inv #" field. To create EDI acknowledgments for the customer, type the letter Y in the "EDI Ack" field; to create advance ship notices for the customer, type the letter Y in the "EDI Adv ship" field. EDI customer orders can be received from any customer, regardless of the value in these fields.

Vendor Information - You need to identify each EDI vendor/division in Vendor Master Maintenance (VM10). To identify the vendor/division as an EDI vendor, type the letter Y in the "EDI" field. This will generate EDI purchase orders for the vendor.

Parameter Information - In addition to entering the Master Files information, you need to enter values in the following parameters:

- EDI (EDIDS)
  The system uses the parameter EDI to determine whether or not to transmit EDI customer invoices, EDI purchase orders, EDI order acknowledgements, and/or EDI advance ship notices, and whether or not to receive customer orders. Accepted EDI customer orders automatically may be placed on hold, requiring manual release in Order Hold Inquiry (OE50). Access the EDI parameter from either the EDI Menu (OEMENUE) or the Purchase Order Parameter Menu (POMENUD).

  To transmit EDI customer invoices when you run Invoices (INV001), type the letter Y (default) in the first "Transmit" field. Type the letter Y (default) in the second "Transmit" field to transmit EDI purchase orders when you run Purchase Orders (POD010). To transmit EDI order acknowledgements when you run Acknowledgements (ORD001), type the letter Y (default) in the third "Transmit" field.

  To transmit EDI advance ship notices when you run Asynchronous Advance Ship Notices (ORD030MR), type the letter Y (default) in the last "Transmit" field. The system then defaults the value in the "EDI Advance Ship notice" field in Customer Master Maintenance (CM52) to Y.

  To receive EDI customer orders when you run Customer Order Update (ORD400CU), type the letter Y (default) in the "Receive" field. If you want accepted EDI customer orders to be automatically placed on hold, type the letter Y in the bottom field. The default value is N.

- EDICNTRL (EDICS)
  The parameter EDICNTRL allows you to specify the range of numbers to be used

as EDI control numbers for purchase orders, acknowledgments, advance ship notices, invoices, and the order status report. Control numbers are used when the value in the corresponding transmit field on the parameter EDI is the letter Y and the current number field above is not blank. Access EDICNTRL from either the EDI Menu (OEMENUE) or the Purchase Order Parameter Menu (POMENUD).

The "Current Number" field on the EDICNTRL parameter is incremented each time Frontier uses a control number. In addition, the control number field in the appropriate link file will be updated with the next number in the corresponding "Current Number" field.

o EDIOUT (EDIOUTCD)
The parameter EDIOUT allows you to specify the output queue and its library to be used for EDI invoices, the EDI invoice register, EDI purchase orders, EDI order acknowledgements, and EDI advance ship notices. Type the name of the output queue in the top field and the name of the library in the bottom field. The system does not validate the values in this parameter. Access EDIOUT from either the EDI Menu (OEMENUE) or the Purchase Order Parameter Menu (POMENUD).

o EDISUM (EDISUMD)
Access EDISUM from the EDI Menu (OEMENUE). Use this parameter to indicate whether or not ORD410 will print the EDI Summary Report, which totals the rejected, accepted with no exceptions, and accepted with non-fatal errors orders sent via EDI. Type the letter N to not print the report or Y to print the report.

NOTE: For PowerBids EDI orders, the report will include orders accepted with PowerBids codes 80, 81, 82, and 86.

EDI MENU (OEMENUE)

The following chart briefly describes the each EDI Menu option:

Program	Function
EDI	Select EDI documents
EDICNTRL	Update EDI control numbers
EDIOUT	Specify the EDI output queue
EDISUM	Indicate whether the EDI Summary will be printed
CM52	Maintain customer masters
NF68	Maintain the note file
OE35	Display and maintain the EOI file
POD010	Print EDI purchase orders
ORD001	Print EDI acknowledgments
INV001	Print EDI invoices
EDI900	Purge selected EDI link files
ORD400CE	Edit incoming customer orders in the EDI customer files
ORD400CU	Add EDI customer orders to the system
EDILINKXEF	Update XEP, XFP, and XOP file records
OE45	Maintain the order copy groups
ORD450	Create a new sales order by copying an existing order for each customer in a copy group
ORD870CE	List the orders in the EOI and EOS files
ORD870CU	List and update the orders in the EOI and EOS files
SYMENU	Display the System Functions Menu

EDI PHYSICAL FILES

Certain physical files contain fields used in the EDI Module. The physical files which contain EDI fields are:

CMP - Customer Master
EDIWK - EDI Work
EIP - EDI Invoice Link
EKP - EDI Acknowledgements Link
EOI - EDI Order Inquiry Link
EOS - EDI Order Status Link
EPP - EDI Purchase Order Link
ESP - EDI Advance Ship Notice Link
RAP - EDI PCM Option Error Return
REP - EDI Return Detail Link
ROP - EDI Return Header Link
XEP - EDI Customer Order Detail Link
XEPWK - EDI Customer Order Detail Work
XFP - EDI PCM Option Link
XFPWK - EDI PCM Option Link Work
XOP - EDI Customer Order Header Link
XTP - EDI Changed Option and Values

The temporary physical files used in EDI are:

OHPE - EDI Order Header
O2PE - EDI Sales Order Override Name And Address
O4PE - EDI Sales Order Billing Header
O5PE - EDI Sales Order Detail Comments
O6PE - EDI Sales Order Detail Line Items
WFWKPE - EDI Working Segments
XFPE - EDI PCM Converted Options

EDI SCREENS

The following screens are used to set up EDI in Frontier:

o Customer Master Maintenance (CM52)
The fields that appear in Customer Master Maintenance (CM52) for EDI are:

EDI Invoice# - CMEDI
This field accepts and/or displays one of the following to indicate whether or not the system will create EDI invoices for this customer:

N - (default) do not create EDI invoices for this customer
Y - create EDI invoices for this customer

EDI customer orders can be received from any customer, regardless of the value in this field.

EDI Acknowledgment - EDIA
This field accepts and/or displays one of the following:

N - (default) to not create EDI acknowledgements for this customer
Y - to create EDI acknowledgements for this customer

EDI Advance ship notice - EDIS
This field accepts and/or displays one of the following:

N - (default) to not create EDI advance ship notices for this customer
Y - to create EDI advance ship notices for this customer

NOTE: The value in this field automatically changes to Y when you type the letter Y in the "Advance Ship Notice Transmit" field on the EDI parameter screen.

EDI Order status - EDIU
This field accepts and/or displays one of the following:

N - (default) to not update the EOI file for this customer
Y - to update the EOI file for this customer

If the value in this field is the letter Y, the system will update the EOI (EDI Order Status Inquiry Link) file for the customer when any of the following occurs:

o You change the order required date in Order Header Maintenance (OE53) for this customer's order. The system adds the inquiry origin code 3 and the line status code RD to the file for the changed date.

o You delete a detail line from this customer's order in Rapid Order Entry Maintenance (OE51) or Order Detail (OE54). The system adds

the inquiry origin code 3 and the line status code IC to the file for the deleted item.

o You cancel this customer's order in Ship and Bill Maintenance (OE57). The system adds the inquiry origin code 3 and the line status code DE to the file for the cancelled order.

o You add or change the order promise date in Sales Order Promising (OE62).

o Vendor Master Maintenance (VM10)
The field that appears in Vendor Master Maintenance (VM10) for EDI is:

EDI - VMEDI
This field accepts and/or displays one of the following to identify the vendor as an EDI vendor:

N - (default) do not create an EDI purchase order for this vendor
Y - create an EDI purchase order for this vendor

EDI PURCHASE ORDERS (POD010)

Description: Use this program to asynchronously print EDI purchase orders when either:

- parameter EDI contains the letter Y in the "Purchase Order" field
- for drop ship orders, when the item is flagged with either the letter T or B in the "CR" field of Unprinted Purchase Orders (DS77)

The program adds a record to the Purchase Order Link (EPP) file for each purchase order for vendors that have the letter Y in the "EDI" field in Vendor Master Maintenance (VM10). If a record for an order already exists in the EPP link file, the program deletes the existing record then adds a new record to the file. Printed purchase orders are sent to the output queue specified in the parameter EDIOUT.

Executing The Program: To create EDI purchase orders, select EDI Purchase Orders (POD010) from the EDI Menu (OEMENUE) and press ENTER. The system initiates the asynchronous task Print Purchase Orders (POD010).

Data Provided: The EDI purchase order includes the following data:

- REVISION NUMBER: Revision number from PO Entry Maintenance (PU13).
- WAREHOUSE: Warehouse from PO Entry Maintenance (PU13).
- PURCHASE ORDER NUMBER: Purchase order number from PO Entry Maintenance (PU13).
- DATE: The program prints the system date.
- VENDOR NUMBER: Vendor number from PO Entry Maintenance (PU13).
- VENDOR ADDRESS: Vendor address from Vendor Master Maintenance (VM10).
- SHIP TO ADDRESS: Ship to address from PO Entry Maintenance (PU13), WH note type in Note Type Maintenance (NF68), or Vendor Master Maintenance (VM10).
- ATTN: Name of the vendor contact from PO Entry Maintenance (PU13).
- NOTIFY: Name of the drop ship contact from PO Entry Maintenance (PU13).
- CONFIRMING ORDER: Confirmation number from PO Entry Maintenance (PU13).
- CONTACT PHONE: Contact telephone number and extension from Vendor Master Maintenance (VM10).
- DATE ORDER WAS PLACED: Date the order was placed from PO Entry Maintenance (PU13).
- CONTACT: Name of the contact person from Vendor Master Maintenance (VM10).
- SHIP VIA: Shipping method used by the vendor from Vendor Master Maintenance

(VM10). The value in this field defaults from Vendor Master Maintenance (VM10), but can be overridden in PO Entry Maintenance (PU13).

- TERMS: Cash terms code from PO Entry Maintenance (PU13).

- FOB: Description of how the vendor handles freight defaults from Vendor Master Maintenance (VM10), but can be overridden in PO Entry Maintenance (PU13).

- LINE ITEM NUMBER: Line item number or comment line number from PO Entry Maintenance (PU13).

- QUANTITY: Quantity ordered from PO Entry Maintenance (PU13).

- PURCHASE UNIT OF MEASURE: Purchase unit of measure from Product Master Maintenance (PM70).

- PRODUCT NUMBER: Product number from PO Entry Maintenance (PU13).

- PRODUCT DESCRIPTION or COMMENT: Description of the product from Inventory Segment Maintenance (PM73). The comment is from PO Entry Maintenance (PU13).

- DUE DATE: Date the order is due from PO Entry Maintenance (PU13).

- PRICE: Price of the product from Vendor Quote Maintenance (QM11). If the per code in Vendor Quote Maintenance (QM11) is A (price not known), this field will contain the message "TO ADVISE".

- INVENTORY UNIT OF MEASURE: Inventory unit of measure from Product Master Maintenance (PM70).

- ACCOUNT NUMBER: Account number from Inventory Segment Maintenance (PM73). For subcontract purchase orders, this field displays the WIP account number for the purchase order warehouse.

- REVISION LEVEL: Revision level, if one exists for this purchase order.

- DRAWING NUMBER: Drawing number, if one exists for this purchase order.

- LINE CLOSED: If the line item has been closed, "LINE CLOSED" will appear after the account number.

- REQUISITION NUMBER: If a requisition was converted into this purchase order, this field contains that requisition number from PO Entry Maintenance (PU13).

- INSPECTION NOTES: Inspection (IP) note for the inventory segment from Vendor Quote Maintenance (QM11). If the inspection note referenced in QM11 has multiple lines in Note Type Maintenance (NF68), all lines will appear.

- STANDARD INDUSTRY DESCRIPTION: Standard industry description for the product/warehouse from Vendor Quote Maintenance (QM11). The program prints only those lines that are in effect and have been flagged to be printed (Y in the "PO flag" field in QM11). The lines appear in sequence by the text type and sequence number.

o PO VALUE: Value of the purchase order from PO Entry Maintenance (PU13).

In addition to printing a paper copy of the EDI purchase order, the system updates the EDI Purchase Order Link (EPP) file for each EDI purchase order. The EPP fields are updated as follows:

EPRCD: Record code H for header record and D for line item record
EPRCD#: Record code identifier, always updated with "01"
EPORD: Purchase order number
EPREV: Revision number
EPWH: Warehouse
EPREVD: Revision date
EPPRTD: Purchase order print date
EPPOD: Purchase order date
EPVMKY: Bill to vendor number
EPVNAM: Bill to vendor name
EPVAD1: Bill to vendor address line 1
EPVAD2: Bill to vendor address line 2
EPBCTY: Bill to vendor city
EPBST: Bill to state
EPBZIP: Bill to zip code
EPDSKY: Ship to vendor number
EPDNAM: Ship to vendor name
EPDAD1: Ship to vendor address line 1
EPDAD2: Ship to vendor address line 2
EPDCTY: Ship to vendor city
EPDST: Ship to vendor state
EPDZIP: Ship to vendor zip code
EPDATT: Name of person to deliver to
EPPT: Person to confirm order with
EPBUYR: Name of buyer
EPTEL#: Contact person telephone number
EPVREF: Confirmation number
EPTRMS: Payment terms
EPSVIA: Ship via description
EPFOBD: FOB
EPCURC: Purchase order currency code (from the currency table Currency Code Maintenance - CR01) added to the purchase order during entry. All currency amounts on the purchase order are in this currency.
EPVALU: Order value
EPLINE: Line item number
EPOQP: Order quantity in the purchase unit of measure
EPPUM: Purchase unit of measure
EPPN: Product number
EPDESC: Product description
EPRDD: Required date
EPPPP: Vendor price in effect for the quantity ordered
EPACCT: General ledger account number
EPPDD: Promised date
EPFRQ#: Number of the requisition converted to a purchase order
EPWRK#: Manufacturing order number
EPOP#: Subcontracted operation work order number

EPCNT: Project number
EPCPN: Vendor product number
EPDWRL: Drawing number revision letter
EPTEXT: Comment text
EPAFLG: This field is not updated. It is available for update by translator software when a functional acknowledgment is received.
EPCNTR: This field is updated by the system with a unique control number, beginning with the number in parameter EDICNTRL. Use this field to associate functional acknowledgments with link file records.

Example: For a sample purchase order, see Appendix 1.

EDI CUSTOMER ORDER ACKNOWLEDGMENTS (ORD001)

Description: Acknowledgments can be used either as client confirmations or to determine that an order was entered properly. The system prints EDI Acknowledgments when the parameter EDI contains the letter Y in the "Customer Order Acknowledgement" field.

The program adds a record to the Acknowledgment Link (EKP) file for each acknowledgment for customers that have the letter Y in the "EDI Acknowledgment" field in Customer Master Maintenance (CM52). The record includes one header record and a detail record for each detail line on the acknowledgment. Extra header records will be written for each customer note comment from Order Header Maintenance (OE53), the customer master record, or the Order Header Link (XOP) file. The program then sends the printed acknowledgments to the output queue specified in the parameter EDIOUT. If a record for an order already exists in the EKP link file, the program deletes the existing record then adds a new record to the file.

The EKP file control number is updated with the next number in the parameter EDICNTRL (if the parameter contains a control number). The value in EDICNTRL is incremented each time a control number is used.

Executing The Program: To print create EDI acknowledgments, select EDI Customer Order Acknowledgements (ORD001) from the EDI Menu (OEMENUE) and press ENTER.

When you press ENTER, if the value in the system parameter BATSBM is the letter Y, then a confirmation window will appear. Press F18 to submit the program, or press F12 to cancel the request. If the value in BATSBM is the letter N, no window will appear.

Data Provided: The information that appears on an acknowledgment includes:

- REASON: Reason code text from the RC note file in Note Type Maintenance (NF68).

- WAREHOUSE: Code, description, and address of the warehouse that will ship the order. The system refers to the "Warehouses - Shipping" field in Customer Master Maintenance (CM52) to determine the shipping warehouse for the customer.

- BILL TO: Number, name, and address of the bill to customer from Order Header Maintenance (OE53).

- SHIP TO: Number, name, and address of the ship to customer from Order Header Maintenance (OE53).

- DATES: The system prints the following dates, if applicable: date the order was received ("RECEIVED"), date the order was entered ("ENTERED"), date the acknowledgment was printed ("ACK PRT"), date the order was shipped ("SHIPPED"), date the shipper was printed ("SHP DTE"), and date the invoice was printed ("INVOICE").

- MESSAGES: If the acknowledgement is a reprint, the message RE-PRINT appears in this field. If the order has been cancelled, the message CANCELLATION appears in this field.

- SHIP TO PO#: Ship to purchase order number from Order Header Maintenance (OE53).

- SOLD TO PO#: Sold to (also called bill to) purchase order number from Order Header Maintenance (OE53).

- TERMS: Cash payment terms abbreviation from Customer Master Maintenance (CM52) or Order Header Maintenance (OE53).

- DIV: Division that will ship orders to the customer from Customer Master Maintenance (CM52) or Order Header Maintenance (OE53).

- ORD#: System-assigned order number from Order Header Maintenance (OE53).

- SUF: System-assigned backorder suffix from one of the inventory allocation programs.

- OT: Order type code from Order Header Maintenance (OE53). Valid codes are:

  SI - Ship/Invoice
  IO - Invoice Only
  CM - Credit Memo
  SO - Ship Only
  QT - Quote
  RM - RMA (printed by RMA Forms Print - RMA001, RMA001MR)

- ORD DTE: Order date from Order Header Maintenance (OE53).

- REQ DTE: Required date from Order Header Maintenance (OE53).

- S-BR: Shipping warehouse from Order Header Maintenance (OE53).

- B-BR: Billing warehouse from Order Header Maintenance (OE53).

- CARRIER: Carrier that will ship the order from Customer Master Maintenance (CM52) or Order Header Maintenance (OE53).

- SHIPPING INSTRUCTIONS: Description of the ship via code from Customer Master Maintenance (CM52).

- FRT TERM: Freight terms code from Order Header Maintenance (OE53).

- CR REG: Credit region from Order Header Maintenance (OE53).

- CTY CDE: County code from Order Header Maintenance (OE53).

- CTRY CDE: Country code from Customer Master Maintenance (CM52) or Order Header Maintenance (OE53).

- TAX GRP: Tax group from Customer Master Maintenance (CM52) or Order Header Maintenance (OE53).

- REF#: For credit memos, the system prints the number of the order to which the credit corresponds.

For each line item of the order, the acknowledgment lists the following information:

- DESCRIPTION: Internal product description from Product Master Maintenance (PM70).

- PRODUCT NUMBER: Internal product number of the ordered product from Order Detail (OE54).

- QUANTITY: Quantity of each product ordered from Order Detail (OE54).

- PC: Per code from Price List Maintenance (PR81). Valid values:

  blank or E - per each
  L - per lot
  X - per ten units
  C - per hundred units
  M - per thousand units
  N - no price/free
  T - per tenth
  W - per hundredth

- PER QTY: Per quantity, which indicates the value of the per code.

- EXTENDED: Extended price of the line item, including any discounts.

- UNIT PRC: Unit price of the ordered product.

- UM: Sales unit of measure from Product Master Maintenance (PM70).

- NT: The Net price flag Y, from Order Detail (OE54), indicates that the price is a net price without discounts, if applicable.

- TX: The tax code Y indicates that the order is taxable and N indicates that the order is not taxable. The tax code is from Order Detail(OE54).

- NC: No charge code, which indicates if the order is chargeable, from Order Detail (OE54). Valid codes are:

  Blank - ship and invoice
  1 - ship only
  2 -invoice only
  3 - neither ship nor invoice (for quotes)

- COM RATE: The total commission percentage from the pricing programs or Order Detail(OE54).

- WEIGHT: Weight of the product at the inventory unit of measure from Product Master Maintenance (PM70).

- FCC: Freight class code from Product Master Maintenance (PM70).

- PRICING: Pricing information, which indicates the price list used to price the order, from Order Detail (OE54).

- YOUR PRODUCT: Customer product number and description from either Customer Product Maintenance (OE85) or PCM Customer Product Maintenance (WS85).

  If you use the customer product number to order an item, the customer product number appears on this report when the "Ack Print flag" field value in Customer Product Maintenance (OE85), or the"Ack" field in PCM Customer Product Maintenance (WS85), is the letter P or B; the customer product description appears if the "Ack Print flag" or "Ack" field value is D or B.

- TOTAL ADVANCE PAYMENTS: Total amount of any cash in advance payments made for this order.

At the bottom of the acknowledgment, the system calculates and prints the total weight and extended value. If the order is on hold, the system will print the reason for hold in the top right corner of the acknowledgment.

In addition to printing a paper copy of the EDI acknowledgment, the system updates the EDI Acknowledgment Link (EKP) file for each EDI acknowledgment. The EKP fields are updated as follows:

EKDRC: Record type
EKORD#: Sales order number
EKSUFX: Sales order number suffix
EKOTYP: Sales order type code
EKREAS: Credit reason description
EKSTKY: Ship to customer number
EKBTKY: Bill to customer number
EKSNAM: Sold to customer number
EKSAD1: Sold to customer address line 1
EKSAD2: Sold to customer address line 2
EKSAD3: Sold to customer address line 3
EKSCTY: Sold to customer address city
EKSST: Sold to customer state
EKSZIP: Sold to customer zip code
EKBNAM: Bill to customer number
EKBAD1: Bill to customer address line 1
EKBAD2: Bill to customer address line 2
EKBAD3: Bill to customer address line 3
EKBCTY: Bill to customer city
EKBST: Bill to customer state
EKBZIP: Bill to customer zip code
EKNOTD: Notice date
EKNOTT: Notice time
EKSPO#: Ship to customer purchase order number

EKBPO#: Bill to customer purchase order number
EKINIT: Picked by
EKDREC: Order receipt date
EKENTD: Order entered date
EKACKD: Acknowledgment print date
EKSHPD: Shipping date
EKSHPP: Shipper print date
EKINVP: Invoice print date
EKINST: Shipping instructions
EKCARR: Carrier description
EKFRTT: Freight terms
EKCRGN: Credit region
EKCNTY: County code
EKCTRY: Country code
EKREF#: Credit reference number
EKREQD: Required date
EKDIV: Division number
EKWH: Shipping warehouse
EKWHD: Shipping warehouse description
EKWHA2: Shipping warehouse address line 1
EKWHA3: Shipping warehouse address line 2
EKWHA4: Shipping warehouse address line 3
EKWHA5: Shipping warehouse address line 4
EKWHB: Billing warehouse
EKTAXG: Tax group for sales tax system (parameter TAXVS contains S)
EKSM: Salesperson code
EKTRMS: Terms
EKPN: Product number
EKDESC: Product description
EKLOT#: Lot number
EKORGQ: Original order quantity
EKPER: Per code
EKPERQ: Per quantity
EKIUM: Inventory unit of measure
EKPCC: Price category
EKNETF: Net price flag
EKTXCD: Tax code. Tax group for sales tax system (parameter TAXVS contains S).
        Tax exempt code in VAT tax system (TAXVS contains V). GST tax exempt
        code in Canadian tax system (TAXVS contains C).
EKNCDD: No charge code
EKCOMR: Total salesperson commission
EKWGT: Product weight
EKFLCS: Freight class code
EKCATL: Price list
EKARTL: Price
EKNET$: Dollar value of item, including discounts
EKBTPN: Customer product number
EKCDSC: Customer product description
EKTEXT: Comment text
EKTOT#: Total weight
EKTOTP: Total quantity
EKMER$: Merchandise total
EKVALU: Order total

EKCURC: Order currency code. The currency code is the code from the currency table (Currency Code Maintenance - CR01) which was added to the acknowledgment. All currency amounts on the acknowledgment are in this currency.
EKAFLG: This field is not updated. It is available for update by translator software when a functional acknowledgment is received.
EKCNTL: This field is updated by the system with a unique control number, beginning with the number in the parameter EDICNTRL. Use this field to associate functional acknowledgments with link file records.

Example: For a sample acknowledgment, see Appendix 1.

ADVANCE SHIP NOTICES (ORD030MR)

Description: Use this program to asynchronously print EDI advance ship notices when the letter Y appears in the "Advance Ship Notice" field in the parameter EDI.

In order for this program to print EDI advance ship notices for a customer, the letter Y must appear in two fields in Customer Master Maintenance (CM52): "Advance ship notice" and "EDI Advance ship notice". The "Advance ship notice" field tells the system to asynchronously print an advance ship notice; the "EDI Advance ship notice" field tells the program to add a record to the Advance Ship Notice Link (ESP) file for each advance ship notice printed for that customer. If a record for an order already exists in the ESP link file, the program deletes the existing record then adds a new record to the file.

The program updates the control number (ESCNTL) field in the ESP file with the next number in the parameter EDICNTRL (if that parameter contains a control number). The value in EDICNTRL is incremented each time a control number is used. The program then sends the printed advance ship notices to the output queue specified in the parameter EDIOUT.

The program also prints two error listings: Advance Shipper Errors and EDI Advance Shipper Errors. The system prints these reports when the asynchronous task is brought down.

Executing The Job: To print advance ship notices, select Advance Ship Notice (ORD030MR) from the O/E Parallel Processing Menu (OEMENUP) and press ENTER. The system initiates the asynchronous task.

Data Provided: The information on an advance ship notice includes:

- ORDER#: System-assigned order number from Order Header Maintenance (OE53).
- SHIP TO: Number, name, and address of the ship to customer as defined in the customer master.
- SOLD TO: Number, name, and address of the bill to customer as defined in the customer master.
- PRINT DATE: Date the advance ship notice was printed.
- TIME: Time the advance ship notice was printed.
- SHIP TO P.O.#: Ship to purchase order number from Order Header Maintenance (OE53).
- SOLD TO P.O.#: Sold to (also called bill to) purchase order number from Order Header Maintenance (OE53).
- PICKED BY: Initials of the user who entered the order.
- ORDER DATE: Date of the order from Order Header Maintenance (OE53).

- BL WH: Billing warehouse from Order Header Maintenance (OE53).

- SH WH: Shipping warehouse from Order Header Maintenance (OE53).

- TAX: Tax group from Customer Master Maintenance (CM52) or Order Header Maintenance (OE53).

- SLSP: Salesperson code from Order Header Maintenance (OE53).

- SHIPPING INSTRUCTIONS: Ship via description from Customer Master Maintenance (CM52) or Order Header Maintenance (OE53).

- FREIGHT CHARGES: Freight charges code from Ship and Bill Maintenance (OE57).

- SHIP NO LATER THAN: Required date from Order Header Maintenance (OE53).

- CUSTOMER TERMS: Customer cash payment terms code from Customer Master Maintenance (CM52) or Order Header Maintenance (OE53).

The following information appears for each line item in the order:

- PRODUCT NUMBER: Internal number of the ordered product from Order Detail(OE54).

- DESCRIPTION: Internal product description from Product Master Maintenance (PM70).

- LOT #: Lot from which the order was picked from the on-line allocation programs.

- QTY ORDERED: Quantity of each product ordered from Order Detail(OE54).

- QTY PICKED or QTY SHIPPED: For picked orders, this field displays the quantity picked from Batch Allocation (ORD006). When the order has been shipped, this field displays the shipped quantity.

- QTY BACK-ORD: Quantity that was backordered from Batch Allocation (ORD006).

- PRICE: Price of product ordered from pricing programs or Order Detail (OE54).

- NET$: Net item value from the pricing programs or Order Detail(OE54).

- YOUR PRODUCT: Customer product number and its description from either Customer Product Maintenance (OE85) or PCM Customer Product Maintenance (WS85). If you use the customer product number to order an item, that number appears when the "Shp Print flag" field value in Customer Product Maintenance (OE85), or the "Shp" field in PCM Customer Product Maintenance (WS85), is P or B; the customer product description appears if the "Shp Print flag" or "Shp" field value is D or B.

The system calculates and prints the total net value and displays the order entry notes from Order Header Maintenance (OE53).

In addition to printing a paper copy of the EDI advance ship notice, the system updates the following fields in the EDI Advance Ship Notice Link (ESP) file for each advance ship notice:

ESDRC: Record type
ESORD#: Sales order number
ESSUFX: Sales order number suffix
ESSTCN: Sold to customer name
ESSTA1: Sold to customer address line 1
ESSTA2: Sold to customer address line 2
ESSTA3: Sold to customer address line 3
ESSTCT: Sold to customer address city
ESSTST: Sold to customer state
ESSTZP: Sold to customer zip code
ESBTNM: Bill to customer name
ESBTA1: Bill to customer address line 1
ESBTA2: Bill to customer address line 2
ESBTA3: Bill to customer address line 3
ESBTCT: Bill to customer address city
ESBTST: Bill to customer state
ESBTZP: Bill to customer zip code
ESNOTD: Notice date
ESNOTT: Notice time
ESSPO#: Ship to customer purchase order number
ESBPO#: Bill to customer purchase order number
ESINIT: Picked by
ESREQD: Required date
ESSM: Salesperson code
ESTRMS: Terms
ESINST: Shipping instructions
ESFRTT: Freight terms
ESWH: Shipping warehouse
ESWHB: Billing warehouse
ESENTD: Order date
ESITEM: Item number
ESPN: Product number
ESDESC: Product description
ESLOT#: Lot number
ESBALQ: Original order quantity
ESSHPQ: Picked or shipped quantity
ESBOQ: Quantity backordered
ESARTL: Price
ESNET$: Dollar value of item, including discounts
ESTAXG: Tax group
ESBTPN: Customer product number
ESCDSC: Customer product description
ESTEXT: Comment text
ESDS$: Discount amount
ESDISD: Discount date
ESTAXD: Tax description
ESSDES: Miscellaneous charge description
ESMER$: Merchandise total
ESVALU: Order total

ESCURC: Order currency code from Currency Code Maintenance (CR01).
ESFST#: Federal sales tax exempt number
ESPSTF: Provincial sales tax flag
ESPST#: Provincial sales tax exempt number
ESTXCD: Tax code.
ESAFLG: Not updated - available for update by translator software when a functional acknowledgment is received.
ESCNTL: Unique control number from the parameter EDICNTRL used to associate functional acknowledgments with link file records.

The following fields summarize VAT tax amounts by VAT code:

ESVTC1: VAT code
ESVTR1: VAT tax rate
ESVTN1: VAT net value
ESVT$1: VAT amount
ESVTC2: VAT code
ESVTR2: VAT tax rate
ESVTN2: VAT net value
ESVT$2: VAT amount
ESVTC3: VAT code
ESVTR3: VAT tax rate
ESVTN3: VAT net value
ESVT$3: VAT amount
ESVTC4: VAT code
ESVTR4: VAT tax rate
ESVTN4: VAT net value
ESVT$4: VAT amount
ESVAT$: VAT total amount

Example: For a sample advance ship notice, see Appendix 1.

INVOICE PRINT & UPDATE (INV001)

Job Description: Use this job stream to print EDI and non-EDI invoices, which are processed separately. The system prints EDI invoices when the parameter EDI contains the letter Y in the "Customer Invoice" field.

A record is added to the Invoice Link (EIP) file for each invoice for sold to customers that have the letter Y in the "EDI Invoice#" field in Customer Master Maintenance (CM52). The system then sends the printed invoices and the EDI Daily Invoice Register to the output queue specified in the parameter EDIOUT.

The system updates the control number field (EICNTL) in the EIP file when the "Customer Invoice" field in the parameter EDI contains the letter Y. The control number is updated with the next number in the parameter EDICNTRL (if the parameter contains a control number). The value in EDICNTRL is incremented each time a control number is used.

The Invoices job stream initiates the following programs:

o Invoice Print & Update (INV001)
o Sales & Credit Memos (ARJ006)
o Daily Invoice Register - EDI (INV010E)

NOTE: Records also will be added to the Invoice Link (EIP) file when you run Select Invoice Reprint (INV001-S).

Executing The Job: To print invoices, select Invoice Print & Update (INV001) from the EDI Menu (OEMENUE) and press ENTER. The program displays the Submit Daily Invoices for Processing option screen:

Type the following and press ENTER:

o invoice cycle number, to limit printing to only invoices for customers with that invoice cycle number in the "Invoice cycle" field in Customer Master Maintenance (CM52). To print all invoices, type * (asterisk) in this field.
o warehouse code, to limit the program to that warehouse, or type ** (asterisks) to include all warehouses.
o output queue, the default value is from the parameter OVRPRT, which is maintained on the OVOES screen. The system uses OVRPRT to determine the output queue to which invoices will be sent. You may override the value in this field.

Press F3 to submit the request or press F12 to cancel the request. When you press F3, if the value in the system parameter BATSBM is the letter Y, then a confirmation window will appear. Press F18 to submit the program, or press F12 to cancel the request. If the value in BATSBM is the letter N, no window will appear.

Invoice Print & Update (INV001)

Description: The Invoices job stream initiates Invoice Print & Update (INV001) which prints invoices for all orders that were shipped since the last invoice run. The EDI Invoice Link (EIP) file will be updated for every EDI invoice. Printed invoices are sent to the output queue and library specified in the parameter EDIOUT.

Data Provided: The information that appears on an invoice contains:

- INVOICE TO: Number, name, and address of the invoice to customer from Customer Master Maintenance (CM52).

- SHIP TO: Number, name, and address of the ship to customer from Customer Master Maintenance (CM52).

- INVOICE DATE: Today's date.

- INVOICE NUMBER: When you execute this program, the system assigns an invoice number and prints the number on this report. The system sequentially numbers all invoices starting with the value in the DAINV# parameter. For sales orders that have a zero value and zero shipped quantity, the invoice number will be all 8s.

- BL WH: Billing warehouse from Order Header Maintenance (OE53).

- SH WH: Shipping warehouse from Order Header Maintenance (OE53).

- CUST TYPE: Customer type code from Customer Master Maintenance (CM52).

- TAX: In a sales tax environment, the tax group is from Order Header Maintenance (OE53). In a VAT environment, the value in this field is the tax exempt flag.

- CUST PO#: Customer purchase order number from the "Sold to PO" field in Order Header Maintenance (OE53).

- DROP SHIP PO#: Drop ship purchase order number, if applicable, from the "Ship to PO" field in Order Header Maintenance (OE53).

- ORDER#: System-assigned order number from Order Header Maintenance (OE53).

- SLSP: Salesperson code from Order Header Maintenance (OE53).

- FRT: Freight charges code from Ship and Bill Maintenance (OE57).

- SHIPPING INSTRUCTIONS: Description of the ship via code from Customer Master Maintenance (CM52) or Order Header Maintenance (OE53).

- CUSTOMER TERMS: Cash payment terms code from Customer Master Maintenance (CM52) or Order Detail (OE54).

The invoice provides the following information for each shipped line item in the order. Except for the extended amount, this information does not appear on the summary invoice:

- SHIPPED: Shipped quantity from Ship and Bill Maintenance (OE57).

- BACK-ORDERED: Back order quantity from Backorder Maintenance (OEBOMR).

NOTE: When an item with the per code L is completely backordered, no extended price will appear on the invoice for that item. If the L item is partially backordered, the original invoice will include billing for the entire lot and the invoice for the backordered quantity will be billed at no charge.

- PART NUMBER: Ordered product from Order Detail (OE54).

- DESCRIPTION: Internal product description from Product Master Maintenance (PM70) or Order Detail (OE54).

- PRICE: Product price from the pricing programs.

- EXT$: The program calculates the line item extended value as:

  Order quantity x (Unit price x (1 - discount1) x (1 - discount 2) x (1 - discount3) - Discount $)

- YOUR PRODUCT: Customer product number and its description from either Customer Product Maintenance (OE85) or PCM Customer Product Maintenance (WS85). If you use the customer product number to order an item, the customer product number appears when the "Inv Print flag" field value in Customer Product Maintenance (OE85), or the "Inv" field in PCM Customer Product Maintenance (WS85), is P or B; the customer product description appears if the "Inv Print flag" or "Inv" field value is D or B.

- SUB TOTAL: The system calculates and prints the subtotal as the sum of the taxable and non-taxable merchandise.

- TAXES: Up to five separate taxes may appear on the invoice. Each tax is defined in the TX note file in Note Type Maintenance (NF68) and is calculated against the total of the taxable merchandise.

- TERMS: Description of the terms from the customer master; the total discount amount is calculated using those terms.

- TOTAL ADVANCE PAYMENTS: Total amount of any cash in advance payments made for this order.

- INVOICE AMOUNT: The system calculates and prints the total invoice amount gross discount.

In addition to printing the EDI invoice, the system updates the EDI Invoice Link (EIP) file for each EDI invoice. The EIP fields are updated as follows:

EIRCD: Record code H for header record and D for line item record
EIRCD#: Record code identifier, always updated with "01"
EIBTKY: Invoice to customer number
EIBNAM: Invoice to customer name
EIBAD1: Invoice to customer address line 1
EIBAD2: Invoice to customer address line 2
EIBAD3: Invoice to customer address line 3
EIBCTY: Invoice to customer city
EIBST: Invoice to customer state
EIBZIP: Invoice to customer zip
EISTKY: Ship to customer number
EISNAM: Ship to customer name
EISAD1: Ship to customer address line 1
EISAD2: Ship to customer address line 2
EISAD3: Ship to customer address line 3
EISCTY: Ship to customer city
EISST: Ship to customer state
EISZIP: Ship to customer zip
EIINVD: Invoice date in the format YYMMDD
EIINV#: System-generated invoice number
EIWHB: Billing warehouse
EIWHS: Shipping warehouse
EICTYP: Customer type
EITAXG: Tax group for sales tax system (TAXVS = S). For header records, same as in order header. For detail records, blank.
EISPO#: Ship to customer purchase order number
EIBPO#: Bill to customer purchase order number
EITXCD: Tax code. For header records, same as in order header. For detail records, same as in detail. Tax group for sales tax system, tax exempt code for VAT tax system, or GST tax exempt code in Canadian tax system.
EIFST#: GST tax number in Canadian tax system
EIPSTF: PST exempt flag in Canadian tax system. A Y means PST tax will not be added; N means PST tax will be added.
EIPST#: PST tax number in Canadian tax system
EIORD#: Sales order number
EISUFX: Sales order backorder suffix
EISM: Salesperson code
EIFRTT: Freight terms
EIINST: Shipping instructions
EICTDS: Cash terms description
EICURC: The currency of the invoice. The currency code is the code from the currency table (Currency Code Maintenance - CR01) which was added to the order during order entry (OE53). All currency amounts on the invoice are in this currency.
EIHND$: Handling charge
EISHP$: Value of shipped item
EIDISD: Discount date in the format YYMMDD
EITDIS: Total discount value
EITOT$: Total order value
EIAFLG: This field is not updated, but is available for update by translator software when a functional acknowledgment is received.
EICNTR: This field is updated by the system with a unique control number, beginning with the number in parameter EDICNTRL. Use this field to

associate functional acknowledgments with link file records.

The following fields summarize VAT tax amounts by VAT code:

EIVTC1: VAT code
EIVTR1: VAT tax rate
EIVTN1: VAT net value
EIVT$1: VAT amount $
EIVTC2: VAT code
EIVTR2: VAT tax rate
EIVTN2: VAT net value
EIVT$2: VAT amount $
EIVTC3: VAT code
EIVTR3: VAT tax rate
EIVTN3: VAT net value
EIVT$3: VAT amount $
EIVTC4: VAT code
EIVTR4: VAT tax rate
EIVTN4: VAT net value
EIVT$4: VAT amount $
EIVAT$: VAT total amount

The following fields are updated for detail records (EIRCD field contains D):

EIITEM: Item number
EISHPQ: Shipped quantity
EIBCKQ: Back order quantity
EIPN: Product number
EIDESC: Description
EIARTL: Price
EIEXT$: Extended value
EINOTE: OE note text
EISDES: Extra charge account description
EIBTPN: Customer product number
EICDES: Customer product description
EITEXT: Comment text
EITAXD: US or Canadian tax description. A detail record is created for each tax line.
EITAX$: US or Canadian tax description. In VAT tax system, this field is updated in header record.
EIIUM: Inventory unit of measure from Product Master Maintenance (PM70). All item quantities on the invoice are in the inventory unit of measure.
EIAFLG: This field is not updated. It is available for update by translator software when a functional acknowledgment is received.
EICNTR: This field is updated by the system with a unique control number, beginning with the number in parameter EDICNTRL. Use this field to associate functional acknowledgments with link file records.

Example: For a sample invoice, see Appendix 1.

Sales & Credit Memos (ARJ006)

Description: The Invoices job stream prints the Sales & Credit Memos Report (ARJ006). The report lists the invoice number, date, and amount that correspond to each order for which the system created a sales or credit memo.

The system creates and prints two reports (in the same format) that list different order types. The first report contains information about invoices for orders with order type SI and IO. The second report contains information about invoices for orders with order type CM.

Data Provided: The information that appears on the Sales & Credit Memo Report includes:

o INVOICE NUMBER: Invoice number from Invoice Print & Update (INV001).

o INVOICE DATE: Invoice date from Invoice Print & Update (INV001).

o TY: Order type from Order Header Maintenance (OE53). Valid order types:

  SI - Ship/Invoice
  IO - Invoice Only
  CM - Credit Memo
  SO - Ship Only
  QT - Quote
  RM - RMA

o INVOICE AMOUNT: Invoice amount from Invoice Print & Update (INV001).

o DISCOUNT: The system prints the allowable cash discount, which it calculates in Invoice Print & Update (INV001) according to the cash payment terms that apply to the customer. Cash payment terms are from Order Header Maintenance (OE53) and are validated in the AR note file in Note Type Maintenance (NF68).

o NET AMOUNT: Net amount, which the system calculates as the invoice amount less the discount, from Invoice Print & Update (INV001).

o ORDER NUMBER: System-assigned order number from Order Header Maintenance (OE53).

o WH: Shipping warehouse from Order Header Maintenance (OE53).

o CUSTOMER: Number and name of the ship to customer from Order Header Maintenance (OE53).

The system totals the invoice amounts, discounts, and net amounts of all the sales and credit memos created during the invoice run.

Example: For a sample Sales & Credit Memos Report for ship and invoice and invoice only orders, see Appendix 1.

Daily Invoice Register - EDI (INV010E)

Description: The Invoices job stream prints the Daily Invoice Register - EDI (INV010E). This report lists the order number, customer name and number, invoice number, date, and amounts that correspond to each order for which the system created an EDI invoice. The system calculates and prints totals by customer, warehouse, and company. Printed EDI Daily Invoice Register is sent to the output queue specified in the parameter EDIOUT.

EDI orders do not appear on the non-EDI Daily Invoices Register (INV010).

Data Provided: The Daily Invoice Register - EDI contains one line for each invoice the system creates. Per-invoice information includes:

- WH: Shipping warehouse from Order Header Maintenance (OE53).
- ORDER-#: System-assigned order number from Order Header Maintenance (OE53).
- NAME: Name of the sold to customer.
- SOLD-TO: Sold to customer from Order Header Maintenance (OE53).
- SHIP-TO: Ship to customer from Order Header Maintenance (OE53).
- INVOICE: Invoice number from Invoice Print & Update (INV001).
- TP: Order type abbreviation from Order Header Maintenance (OE53). Valid order types are:

  SI - Ship/Invoice
  IO - Invoice Only
  CM - Credit Memo
  SO - Ship Only
  QT - Quote
  RM - RMA

- MERCHANDISE: Total cost of all items with product numbers from Invoice Print & Update (INV001).
- MISC CHARGE: The system calculates and prints the total of all items that do not have a product number (excluding freight and tax) from Invoice Print & Update (INV001).
- FREIGHT: The system totals and prints the freight charges from Invoice Print & Update (INV001).
- TAX: The system totals and prints the total amount of tax billed from Invoice Print & Update (INV001).
- TOTAL: Total amount billed from Invoice Print & Update (INV001).
- COST: Merchandise cost from the inventory system.
- MARG%: The margin percentage is calculated as:

(Merchandise cost - Cost / Merchandise cost) x 100

The system calculates and prints totals by customer, by warehouse, and by company.

Example: For a sample register, see Appendix 1.

PURGE EDI LINK FILES (EDI900)

Description: Use this program to delete records from the following files:

- EDI Invoice Link (EIP)
- EDI Acknowledgments (EKP)
- EDI Order Status Link (EOS)
- EDI Purchase Order Link (EPP)
- EDI Advance Ship Notice (ESP)

For each file listed, you select whether to delete all the records in the file, to delete only the acknowledged records, or to not delete any records. The program deletes the selected records and reorganizes the space in the files.

When you submit this job, the system automatically will place the job on hold. You must release the job to delete the records. To prevent record locks, end all asynchronous tasks before you release this job.

Executing The Program: To delete all records in the EIP, EPP, EKP, EOS, or ESP files, select Purge EDI Link Files (EDI900) from the EDI Menu (OEMENUE) and press ENTER. The program displays the Purge EDI Files option screen, which is used to indicate what records should be deleted:

For each of the link files, type:

Y - to purge all records from the file.
A - to purge only acknowledged records from the file.
N - to not purge any records from the file.

After you have made your selections, press ENTER. Press F3 to submit the delete or F12 to cancel the request.

When you press F3, if the value in the system parameter BATSBM is the letter Y, then a confirmation window will appear. Press F18 to submit the program, or press F12 to cancel the request. If the value in BATSBM is the letter N, no window will appear.

EDI CUSTOMER ORDER EDIT (ORD400CE)

Description: Use this program to print the EDI customer order reports, but without updating the order transaction files or the EDI link files. No update will occur, even if the orders are without errors.

NOTE: Incoming EDI orders must either have all manually-entered item numbers, or no manually-entered item numbers.

The program prints the following reports:

- o EDI Link Error Report - EDIT (ORD400)
- o EDI Customer Order Accepted With Non-Fatal Errors - EDIT (ORD410)
- o EDI Customer Order Not Accepted Report - EDIT (ORD410)
- o EDI Customer Order Accepted Report - EDIT (ORD410)

EDI Customer Order Edit (ORD400CE) and EDI Customer Order Update (ORD400CU) accept records from the EDI Customer Order Header Link (XOP) file and the EDI Customer Order Detail Link (XEP) file. The fields in these files will default and validate the same way as the corresponding fields in Order Header Maintenance (OE53) and Order Detail (OE54) with the following exceptions:

EDI Link Customer Order Header (XOP) file fields -

XOSPO#: The ship to purchase order number is a required field and, together with XOSTKY, is the key to the link file. If there is a duplicate ship to purchase order number/customer ship to number in the XOP file, both orders will be rejected and will be listed on the EDI Link Error Report (ORD400). If there is a duplicate ship to purchase order number/customer ship to number combination in the order entry transaction database (OH file) the order will be accepted and will be listed in the EDI Customer Order Accepted With Non-Fatal Errors Report (ORD410).

XOSTKY: Customer ship to number, which is a required field

XOITEM: Item sequence number

XOOTYP: Order type, which defaults to SI if blank. Valid values are IO, CM, QT, RM, and SI. SO is not a valid order type.

XOORDT: Order date in ISO format YYMMDD. Defaults to current date.

XORQDT: Required date in ISO format YYMMDD. Defaults to current date.

XOERS: ERS (Evaluated Receipt Settlement) code used to suppress invoice printing. Order header note number five will contain "ERS -" followed by the value in XOERS. Any value in order header note number five will be overwritten with the ERS code.

XOWH: Warehouse must be in the division XODIV.

XODIV: Division is a required field.

EDI Customer Order Detail Link (XEP) file fields -

XEPN: If the original product has been deleted from the system, the substitute product (if one is designated in the product master) will be used in the line item. If no substitute was designated, the order will be listed on the EDI Customer Order Not Accepted report.

XESPO#: Ship to purchase order number, which is a required field

XESTKY: Customer ship to number. There must be a corresponding header record in

the XOP file for the ship to purchase order number/customer ship to number combination.

XEITEM: Item sequence number.

XEOQS: Order quantity in the XESUM unit of measure

XESUM: Defaults to the unit of measure in the parameter HFAPRC. Valid values are the inventory unit of measure and the sales unit of measure.

XEPROT: Price lock flag, which defaults from the header file price protect code (XOPROT).

- If a price is included in the detail file XEARTL field and the price protect value is Y, the link file price is accepted.
- If the link file contains a price and the price protect value is blank, the price is changed to a price table price (if one is available) and the changed price is reported as a non-fatal error.
- If the price protect value is blank and the salesperson number (XESLM1, XESLM2, XESLM3), rate (XESLP1, XESLP2, XESLP3), per code (XEPER), discount amount (XEDS$), discount percentage (XEDSC1, XEDSC2, XEDSC3), price at quantity (XEPRCQ), commission (XECOMR), or net price flag (XENETF) contains a value, the link file value is accepted and a message appears on the EDI Customer Order Accepted With Non-Fatal Errors Report (ORD410).
- If the price protect value is Y and one of the above fields contains a value, the link file value is accepted and no message appears on the report.

XERQDT: Date in the ISO format YYMMDD, which defaults to the required date in the header record (XORQDT).

XETEXT: Comment text. The detail record is considered a comment line if this field contains anything and product information is ignored.

XECPN: The customer product number is 30 positions long. However, only the first 15 positions will appear on the EDI Link Error Report.

XEWH: If in different division than XOWH, bill to customer must be in both divisions.

If the shipping warehouse field in the EDI Customer Order Detail Link (XEP) file is blank, the system will perform order routing.

Orders For Configured Products -
Orders containing configured products, including model sets, will be handled the same way as in Option Selection and Maintenance (WS54) and Order Detail (OE54). The job stream will update the Configuration (CFP) file and the order total dollars (ODGRS$) field, and will add the "OPTIONS BEGIN" and "OPTIONS END" comment lines to the order. Use parameter OPTEND to determine the number of lines Option Selection and Maintenance (WS54) will add between the last line item on a configured sales order and the OPTIONS END line.

EDI Customer Order Update (ORD400CU) will print the adjusted model price (model price plus dimensional prices plus matrix prices) on the reports.

PCM Customer Product Maintenance (WS85) is used to create and maintain the customer product number records in the PCM Customer Product Number (ATP) file. This program also can be used as an alternate way to assign default values for a model's options. You specify a configuration code, consisting of the default options, and assign the code to a customer product. During order processing, the system supplies the model number for that customer/customer product number, and

uses the configuration code to insert values into the option selection fields. For EDI orders, if a PCM customer product number is found in the EDI Customer Order Detail Link (XEP) file, then the configuration code (from the ATP file) for that product will be used to assign the options for that product. Orders with invalid PCM customer product number effective dates will be rejected.

For each configured order, the job stream will include the contents of the EDI PCM Option Link (XFP) file in the reports. The EDI Link Error Report (ORD400) will list EDI PCM orders which are unacceptable due to invalid product number or configuration option record errors. Invalid product number errors include orders with an option record for a product that is not a configured product, a configured product with no option records, and configured products with no line numbers. Line numbers in the EDI PCM Option Link (XFP) and EDI Customer Order Detail (XEP) files must match. If the line numbers do not match, or if no line numbers exist, then the order will be rejected with a critical error.

If the EDI PCM Option Link (XFP) file does not contain a selection for a particular valid option list, the system will use the default option selection, if one exists. Such orders will be listed on the EDI Customer Order Accepted With Non-Fatal Errors Report. Non-fatal errors will occur when the option price is not found and when the initial option list is not found.

NOTE: Maintenance of the option description is not supported.

The EDI Customer Order Not Accepted Report (ORD410) will list EDI configured orders with fatal errors. Fatal errors for configured orders include an invalid option selection, invalid option list, the number of options exceeding the maximum for the option list, and not including a mandatory selection.

EDI will process sales orders for models that use the *HOLDORD and/or *MAKEBUY user exits. For models that use *HOLDORD, EDI will place the order on schedule hold (O6HOLD field) with the reason code specified in *HOLDORD. For models that use *MAKEBUY, EDI will change the O6MOBY field value, based on the rules specified in the formula.

User Exit Program -
A user exit program can be invoked to check the order header information when the order is sent for processing. The name of this program is entered in the parameter OEUEDT, the bottom field of option 30 on the Order Entry Parameter Menu 2 (OEMENUD2). If the order does not pass the edit, the fatal error message "Errors in Order Header - User Exit" will appear on the EDI Customer Order Not Accepted Report (ORD410).

Executing The Program: To print the EDI customer reports without updating the order transaction files, select EDI Customer Order Edit (ORD400CE) from the EDI Menu (OEMENUE) and press ENTER.

When you press ENTER, if the value in the system parameter BATSBM is the letter Y, then a confirmation window will appear. Press F18 to submit the program, or press F12 to cancel the request. If the value in BATSBM is the letter N, no window will appear.

EDI Link Error Report - EDIT (ORD400)

Description: This program provides a list of customer orders which are unacceptable due to critical errors that prevent additional processing.

Data Provided: The EDI customer order information includes:

- CUSTOMER NO.: Ship to customer number from either the XOSTKY (ship to customer number) field for header errors in the EDI Link Customer Order Header (XOP) file or the XESTKY (ship to customer number) field for line item detail errors in the EDI Link Customer Order Detail (XEP) file.

- SHIP TO PO#: Ship to purchase order number from either the XOSPO# (ship to purchase order number) field for header errors in the EDI Link Customer Order Header (XOP) file or the XESPO# (ship to purchase order number) field for line item detail errors in the EDI Link Customer Order Detail (XEP) file.

- LINE ITEM#: Line item number from the XEITEM (item sequence number) field in the EDI Link Customer Order Detail (XEP) file.

- PART NO.: Product number from the XEPN field in the EDI Link Customer Order Detail (XEP) file.

- ERROR: The program prints the following critical error messages. Parentheses with blanks will be filled in with the invalid value:

Order header exists but no detail.
Order detail exists but no header.
Duplicate header record for this group of orders.
Invalid order type ( ) must be (SI,CM,QT,IO,RM).
Invalid group with code ( ) must be (Blank or G).
Invalid customer part number (   ) for customer (   ).
Ship to P.O. number is missing.
Customer number is missing.
Data Area (DANXO#) is locked.
Order type of (SO) ship only not valid for EDI customer orders.
Invalid item number, reserved for (kit bills group items).
Invalid part number - not PCM part but PCM option records are present
Invalid part number - PCM part with no PCM option records
Invalid part number - PCM part does not contain a line number
Invalid PCM option record - does not have a line number
Invalid PCM option record - does not match order detail line number
Customer number (   ) is invalid.
Customer number (   ) has been deleted.
Invalid customer part/eff date (   ) for customer (   )
Option from XFP file will be ignored as PCM part file (WS85) is used
Departmental pricing - department is missing.
Department (______) is given, but not a departmental pricing.
Departmental pricing - department (______) is invalid.
Shipping wh (____) is not set up in customer division.
Customer not valid for shipping division (__).

Manufacturing warehouse (__) is invalid.
Distribution warehouse (__) is invalid.
Invalid inventory segment for product and manufacturing warehouse.
Invalid inventory segment for product and distribution warehouse.
Same manufacturing warehouse as for shipping.
Same distribution warehouse as shipping warehouse.
Cannot have distribution warehouse without manufacturing warehouse.
Same manufacturing warehouse as for distribution.
Invoice to customer number (_____) has been deleted.
Example: For a sample EDI Link Error Report, see Appendix 1.

EDI Customer Order Accepted With Non-Fatal Errors - EDIT (ORD410)

Description: This program reports customer orders that are acceptable, but contain non-fatal errors. The system automatically changes a non-fatal error field value to an acceptable value. Other non-fatal error messages describe a notable condition in the order. This report prints a separate page for each order.

Data Provided: The information provided about an order includes:

- INVOICE TO: If the override field XOOVBW contains a character, then the entire override name and address must be entered in the link (XOP) file invoice to fields XOIVKY (invoice to customer), XOITNM (customer name), XOITA2 (address), XOITA3 (address), XOITA4 (address), XOITCT (city), XOITST (state), and XOITZP (zip code). If the override field is blank, the invoice to number, name, and address are from Customer Master Maintenance (CM52).

- SHIP TO: If the override field XOOVSW contains a character, then the entire override name and address must be entered in the link (XOP) file ship to fields XOSTKY (ship to customer), XOSTNM (customer name), XOSTA2 (address), XOSTA3 (address), XOSTA4 (address), XOSTCT (city), XOSTST (state), and XOSTZP (zip code). If the override field is blank, the ship to number, name, and address are from Customer Master Maintenance (CM52).

- BILL TO PO#: Bill to purchase order number from the XOBPO# (bill to purchase order number) field in the link file.

- SHIP TO PO#: Ship to purchase order number from the XOSPO# (ship to purchase order number) field in the link file.

- DIV.: Division from the XODIV field in the link file or Customer Master Maintenance (CM52).

- ORDER DATE: Order date from the XOORDT field in the link file or is the date the EDI Link Error Report was generated.

- REQ. DATE: Required date from the XORQDT field in the link file or is the date the EDI Link Error Report was generated.

- ITEM No.: Line item number from the XEITEM field in the link file or assigned

by the system.

- PART No./COMMENT: Part number from the XEPN field in the link file. Comment text is from the XETEXT field in the link file.

- WH: Warehouse from the XEWH (ship from warehouse) field in the link file or Customer Master Maintenance (CM52).

- PART DESCRIPTION: Description of the product from Product Master Maintenance (PM70).

- QUANTITY: Quantity from the XEOQS (order quantity) field in the link file.

- SUM: Sales unit of measure from the XESUM field in the link file or Product Master Maintenance (PM70).

- PRICE: Price from the XEARTL (unit price) field in the link file or Price List Maintenance (PR81).

- EXTENDED PRICE: Extended value calculated as the quantity times the price.

- ERROR: The report includes one or more of the following error messages. Parentheses with blanks will be filled in with the invalid value:

Order type of ( ).
Order price changed to price table price, price is not locked
Order price changed to price table price, price is locked (This error message appears when the link file price is blank.)
Price not locked but salesperson #X entered
Price not locked but salesperson #X rate is entered
Price not locked but per entered
Price not locked but discount amount entered.
Price not locked but discount percent #X entered.
Price not locked but price@qty is entered.
Price not locked but commission is entered
Price not locked but net is entered.
Ship to override switch ( ) is invalid.
Invoice to override switch ( ) is invalid.
PST code ( ) deleted, not required for US -or- VAT tax.
PST # (   ) deleted, not required for US -or- VAT tax.
Currency code ( ) deleted, not required for single currency.
Currency rate (   ) deleted, not required for single currency.
Invalid value for invoice print flag ( ) must be (Blank, T, N, P).
Ship to PO# (   ) for cust# (   ) already exists
The above item is a drop ship item.
Insufficient stock available. (This error message appears when there is insufficient stock of kit bill components.)
Default option selection(   ) used for opt(   )
Price needs to be determined for the option selected
Initial option list name not found for the model.
Price is less than price variance (_____)

Example: For a sample EDI Customer Order Accepted With Non-Fatal Errors - EDIT Report, see Appendix 1.

EDI Customer Order Not Accepted - EDIT Report (ORD410)

Description: This program reports customer orders that are unacceptable, that is, contain at least one fatal error. All fatal and non-fatal errors on the order are reported. This report prints a separate page for each order.

Data Provided: Information provided about an order includes:

- INVOICE TO: If the override field XOOVBW contains a character, then the entire override name and address must be entered in the link (XOP) file invoice to fields XOIVKY (invoice to customer), XOITNM (customer name), XOITA2 (address), XOITA3 (address), XOITA4 (address), XOITCT (city), XOITST (state), and XOITZP (zip code). If the override field is blank, the invoice to number, name, and address are from Customer Master Maintenance (CM52).

- SHIP TO: If the override field XOOVSW contains a character, then the entire override name and address must be entered in the link (XOP) file ship to fields XOSTKY (ship to customer), XOSTNM (customer name), XOSTA2 (address), XOSTA3 (address), XOSTA4 (address), XOSTCT (city), XOSTST (state), and XOSTZP (zip code). If the override field is blank, the ship to number, name, and address are from Customer Master Maintenance (CM52).

- BILL TO PO#: Bill to purchase order number from the XOBPO# (bill to purchase order number) field in the link file.

- SHIP TO PO#: Ship to purchase order number from the XOSPO# (ship to purchase order number) field in the link file.

- DIV.: Division from the XODIV field in the link file or Customer Master Maintenance (CM52).

- ORDER DATE: Order date from the XOORDT field in the link file or is the date the EDI Link Error Report was generated.

- REQ. DATE: Required date from the XORQDT field in the link file or is the date the EDI Link Error Report was generated.

- ITEM No.: Line item number from the XEITEM field in the link file or is assigned by the system.

- PART No./COMMENT: Part number from the XEPN field in the link file. Comment text is from the XETEXT field in the link file.

- WH: Warehouse from the XEWH (ship from warehouse) field in the link file or Customer Master Maintenance (CM52).

- PART DESCRIPTION: Description of the product from Product Master Maintenance (PM70).

- QUANTITY: Quantity from the XEOQS (order quantity) field in the link file.

- SUM: Sales unit of measure from the XESUM field in the link file or Product Master Maintenance (PM70).

- PRICE: Price from the XEARTL (unit price) field in the link file or Price List Maintenance (PR81).

- EXTENDED PRICE: Extended value is calculated as the quantity times the price.

- ERROR: The report prints non-fatal error messages preceded by a single asterisk. See EDI Customer Order Accepted With Non-Fatal Errors - EDIT for a list of the non-fatal error messages. The program also prints the following fatal error messages preceded by two asterisks. Parentheses with blanks will be filled in with the invalid value:

```
The sold-to customer number (      ) is invalid.
The invoice-to customer number (      ) is invalid.
The ship-to customer number is blank.
The ship-to customer number (     ) is invalid.
Invalid value for Canadian PST tax code ( ) must be (Y -or- N).
Invalid credit region (  ).
Invalid ship-to state code (  ).
Invalid tax group code (     ).
Invalid invoice to state code (  ).
Invalid shipping warehouse (  ).
Invalid value for tax code ( ) must be (Y -or- N).
Invalid value for price protected ( ) must be (Blank  -or-Y).
Invalid value for allocation flag ( ) must be (Blank, L, O, C)
Invalid value for back order code ( ) must be (Blank, Y, N)
Invalid bill-to warehouse (  ).
Invalid carrier code (     ).
Order date is invalid (  /  /  ).
Required date is invalid (  /  /  ).
Invalid cash terms (   ).
Invalid division (  ).
Invalid customer sales territory (  ).
Invalid UPS zone (  ).
Invalid freight terms (   ).
Invalid salesperson number (      ).
Invalid credit memo reason (  ).
Invalid sales promo (        ).
Invalid customer note # (      ).
Invalid currency code (  ).
Header (  ) to Base exchange not found.
Exchange rate (  ) not found.
Invalid value for acknowledgement (_) must be (Blank, T, N)
GL alpha code (      ) is not valid for customer orders
VAT code required for non stock items
Invalid VAT code ( ).
Price is missing.
GL alpha code is invalid (      ).
Invalid customer product number (      ).
```

Invalid part number ( ).
Invalid inventory unit of measure ( ).
Invalid order quantity.
Invalid inventory segment (Part# Wh)
Invalid Canadian tax code ( )
Receiving segment not found or inactive (Part Wh)
Invalid value for handling chrge ( ) must be (Blank, Y, N)
Invalid currency code.
Invalid salesperson # ( ).
Combined salesperson percentages is (%) must equal 100%.
Invalid VAT tax code ( ).
Substitute part number is invalid ( ).
Invalid customer catalog
Invalid price currency for catalog ( )
Invalid value for no charge code ( ) must be (Blank, 1, 2, 3)
Invalid value for prot flag ( ) must be (Blank, Y, P, N)
Invalid value for priority ( ) must be (Blank -or- R).
Invalid value for drop ship flag ( ) must be (Blank -or D).
Invalid value for per ( ) must be (Blank, E, L, X, C, M, N)
Unit of measure ( ) not on part master for ( ).
Invalid value for proof copy print flag ( ) must be (Blank, Y, N).
Invalid value for shipper print flag ( ) must be (Blank, Y, N).
Invalid value for bill/lading print flag ( ) must be (Blank, Y, N).
Invalid value for invoice print flag ( ) must be (Blank, Y, N).
Invalid value for net ( ) must be (Blank -or Y)
Price must be entered for alpha account line.
Invalid ERS code ( ). The one character code in the XOERS field must be the suffix of an entry in the OE note file type with the prefix "ERS-". For example, if XOERS contained "A", then this error would be printed if the OE note file (NF68) did not contain "ERS-A".
Mandatory selection was not included on option link record. (This message appears only for mandatory selections.)
Invalid OPTION selection.
Number of options exceeds the maximum for this option list.
Option list not valid for the model.
Errors in Order Header - User Exit
Order quantity is less than minimum quantity of (_____).
Order quantity is not a multiple of (_____).
Invalid automatic split code-can't be Y, if allocation code is (_)

Example: For a sample EDI Customer Order Not Accepted - EDIT Report, see Appendix 1.

EDI Customer Order Accepted - EDIT Report (ORD410)

Description: This program reports customer orders that are acceptable, that is, contain no errors. This report prints a separate page for each order.

Data Provided: Information provided about an order includes:

o INVOICE TO: If the override field XOOVBW contains a character, then the entire

override name and address must be entered in the link (XOP) file invoice to fields XOIVKY (invoice to customer), XOITNM (customer name), XOITA2 (address), XOITA3 (address), XOITA4 (address), XOITCT (city), XOITST (state), and XOITZP (zip code). If the override field is blank, the invoice to number, name, and address are from Customer Master Maintenance (CM52).

- SHIP TO: If the override field XOOVSW contains a character, then the entire override name and address must be entered in the link (XOP) file ship to fields XOSTKY (ship to customer), XOSTNM (customer name), XOSTA2 (address), XOSTA3 (address), XOSTA4 (address), XOSTCT (city), XOSTST (state), and XOSTZP (zip code). If the override field is blank, the ship to number, name, and address are from Customer Master Maintenance (CM52).

- BILL TO PO#: Bill to purchase order number from the XOBPO# field in the link file.

- SHIP TO PO#: Ship to purchase order number from the XOSPO# field in the link file.

- DIV.: Division from the XODIV field in the link file or Customer Master Maintenance (CM52).

- ORDER DATE: Order date from the XOORDT field in the link file or the date the EDI Link Error Report was generated.

- REQ. DATE: Required date from the XORQDT field in the link file or the date the EDI Link Error Report was generated.

- ITEM No.: Line item number from the XEITEM field in the link file or assigned by the system.

- PART No./COMMENT: Part number from the XEPN field in the link file. Comment text is from the XETEXT field in the link file.

- WH: Warehouse from the XEWH (ship from warehouse) field in the link file or Customer Master Maintenance (CM52).

- PART DESCRIPTION: Description of the product from Product Master Maintenance (PM70).

- QUANTITY: Quantity from the XEOQS (order quantity) field in the link file.

- SUM: Sales unit of measure from the XESUM field in the link file or Product Master Maintenance (PM70).

- PRICE: Price from the XEARTL (unit price) field in the link file or Price List Maintenance (PR81).

- EXTENDED PRICE: Extended value is calculated as the quantity times the price.

Example: For a sample EDI Customer Order Accepted - EDIT Report, see Appendix 1.

EDI CUSTOMER ORDER UPDATE (ORD400CU)

Description: Use this program to update the order transaction files for EDI orders that do not have fatal errors. This program will not update files for orders that have fatal errors.

If the parameter EDI contains the letter Y in the hold field at the bottom of the screen, then all customer orders will be updated with the hold code E. You must manually release these orders in Order Hold Inquiry (OE50) before inventory can be allocated.

This program prints the following reports:

- o EDI Link Error Report - UPDATE (ORD400)
- o EDI Customer Order Accepted With Non-Fatal Errors - UPDATE (ORD410)
- o EDI Customer Order Not Accepted Report - UPDATE (ORD410)
- o EDI Customer Order Accepted Report - UPDATE (ORD410)

EDI Customer Order Edit (ORD400CE) and EDI Customer Order Update (ORD400CU) accept records from the EDI Customer Order Header Link (XOP) file and the EDI Customer Order Detail Link (XEP) file. The fields in these files will default and validate the same way as the corresponding fields in Order Header Maintenance (OE53) and Order Detail (OE54) with the following exceptions:

EDI Link Customer Order Header (XOP) file fields -

XOSPO#: The ship to purchase order number is a required field and, together with XOSTKY, is the key to the link file. If there is a duplicate ship to purchase order number/customer ship to number in the XOP file, both orders will be rejected and will be listed on the EDI Link Error Report (ORD400). If there is a duplicate ship to purchase order number/customer ship to number combination in the order entry transaction database (OH file), the order will be accepted and will be listed in the EDI Customer Order Accepted With Non-Fatal Errors Report (ORD410).

XOSTKY: Customer ship to number, which is a required field

XOITEM: Item sequence number

XOOTYP: Order type, which defaults to SI if blank. Valid values are IO, CM, QT, RM, and SI. SO is not a valid order type.

XOORDT: Order date in ISO format YYMMDD. Defaults to current date.

XORQDT: Required date in ISO format YYMMDD. Defaults to current date.

XOERS: ERS (Evaluated Receipt Settlement) code used to suppress invoice printing. Order header note number five will contain "ERS -" followed by the value in XOERS. Any value in order header note number five will be overwritten with the ERS code.

XOWH: Warehouse must be in the division XODIV.

XODIV: Division is a required field.

EDI Link Customer Order Detail (XEP) file fields -

XEPN: If the original product has been deleted from the system, the substitute product (if one is designated in the product master) will be used in the line item. If no substitute was designated, the order will be listed on the EDI Customer Order Not Accepted report.

XESPO#: Ship to purchase order number, which is a required field.
XESTKY: Customer ship to number. There must be a corresponding header record in the XOP file for the ship to purchase order number/customer ship to number combination.
XEITEM: Item sequence number.
XEOQS: Order quantity in the XESUM unit of measure
XESUM: Defaults to the unit of measure in the parameter HFAPRC.
XEPROT: Price lock flag, which defaults from the header file price protect code (XOPROT).
- If a price is included in the detail file XEARTL field and the price protect value is Y, the link file price is accepted.
- If the link file contains a price and the price protect value is blank, the price is changed to a price table price (if one is available) and the changed price is reported as a non-fatal error.
- If the price protect value is blank and the salesperson number (XESLM1, XESLM2, XESLM3), rate (XESLP1, XESLP2, XESLP3), per code (XEPER), discount amount (XEDS$), discount percentage (XEDSC1, XEDSC2, XEDSC3), price at quantity (XEPRCQ), commission (XECOMR), or net price flag (XENETF) contains a value, the link file value is accepted and a message appears on the EDI Customer Order Accepted With Non-Fatal Errors Report (ORD410).
- If the price protect value is Y and one of the above fields contains a value, the link file value is accepted and no message appears on the report.

XERQDT: Date in the ISO format YYMMDD, which defaults to the required date in the header record (XORQDT).
XETEXT: Comment text. The detail record is considered a comment line if this field contains anything and product information is ignored.
XECPN: Customer product number is 30 positions long. However, only the first 15 positions appear on the EDI Link Error Report.
XEWH: If in different division from XOWH, bill to customer must be in both divisions.

If the shipping warehouse field in the EDI Customer Order Detail Link (XEP) file is blank, the system will perform order routing.

Orders For Configured Products -
Orders containing configured products, including model sets, will be handled the same way as in Option Selection and Maintenance (WS54) and Order Detail (OE54). The job stream will update the Configuration (CFP) file and the order total dollars (ODGRS$) field, and will add the "OPTIONS BEGIN" and "OPTIONS END" comment lines to the order. Use parameter OPTEND to determine the number of lines Option Selection and Maintenance (WS54) will add between the last line item on a configured sales order and the OPTIONS END line.

EDI Customer Order Update (ORD400CU) will print the adjusted model price (model price plus dimensional prices plus matrix prices) on the reports.

PCM Customer Product Maintenance (WS85) is used to create and maintain the customer product number records in the PCM Customer Product Number (ATP) file. This program also can be used as an alternate way to assign default values for a model's options. You specify a configuration code, consisting of the default options, and assign the code to a customer product. During order processing, the

system supplies the model number for that customer/customer product number, and uses the configuration code to insert values into the option selection fields. For EDI orders, if a PCM customer product number is found in the EDI Customer Order Detail Link (XEP) file, then the configuration code (from the ATP file) for that product will be used to assign the options for that product. Orders with invalid PCM customer product number effective dates will be rejected.

For each configured order, the job stream will include the contents of the EDI PCM Option Link (XFP) file in the reports. The EDI Link Error Report (ORD400) will list EDI configured orders which are unacceptable due to invalid product number or option record errors. Invalid product number errors include orders with an option record for a product that is not a configured product, a configured product with no option records, and configured products with no line numbers. Line numbers in the EDI PCM Option Link (XFP) and EDI Customer Order Detail (XEP) files must match. If the line numbers do not match, or if no line numbers exist, then the order will be rejected with a critical error.

If the EDI PCM Option Link (XFP) file does not contain a selection for a particular valid option list, the system will use the default option selection, if one exists. Such orders will be listed on the EDI Customer Order Accepted With Non-Fatal Errors Report. Non-fatal error will occur when the option price is not found and when the initial option list is not found.

NOTE: Maintenance of the option description is not supported.

The EDI Customer Orders Not Accepted Report (ORD410) will list EDI configured orders with fatal errors. Fatal errors for configured orders include an invalid option selection, invalid option list, the number of options exceeding the maximum for the option list, and not including a mandatory selection.

EDI will process sales orders for models that use the *HOLDORD and/or *MAKEBUY user exits. For models that use *HOLDORD, EDI will place the order on schedule hold (O6HOLD field) with the reason code specified in *HOLDORD. For models that use *MAKEBUY, EDI will change the O6MOBY field value, based on the rules specified in the formula.

User Exit Program -
A user exit program can be invoked to check the order header information when the order is sent for processing. The name of this program is entered in the parameter OEUEDT, the bottom field of option 30 on the Order Entry Parameter Menu 2 (OEMENUD2). If the order does not pass the edit, the fatal error message "Errors in Order Header - User Exit" will appear on the EDI Customer Order Not Accepted Report (ORD410).

Executing The Program: To print the EDI customer order reports and update the transaction files, select EDI Customer Order Update (ORD400CU) from the EDI Menu (OEMENUE) and press ENTER.

When you press ENTER, if the value in the system parameter BATSBM is the letter Y, then a confirmation window will appear. Press F18 to submit the program, or press F12 to cancel the request. If the value in BATSBM is the letter N, no window will appear.

EDI Link Error Report - UPDATE (ORD400)

Description: This program provides a list of customer orders which are unacceptable due to critical errors that prevent additional processing. The order header and detail records were deleted from the Customer Order Link Header (XOP) file and Customer Order Link Detail (XEP) file and were added to the EDI Return Header Link (ROP) file and the EDI Return Detail Link (REP) file.

Data Provided: See EDI Customer Order Edit (ORD400CE).

Example: For a sample UPDATE report, see Appendix 1.

EDI Customer Order Accepted With Non-Fatal Errors - UPDATE (ORD410)

Description: This program reports customer orders that are acceptable, but contain non-fatal errors. The system automatically changes a non-fatal error field value to an acceptable value. Other non-fatal error messages describe a notable condition in the order.

The system assigns a number to the order and displays this number at the top of the page. A separate page is printed for each order. Order header and detail records were deleted from the EDI Link Customer Order Header (XOP) file and EDI Link Customer Order Detail (XEP) file, and were added to the order transaction files (OH, O2, O4, O5, O6, BF).

Data Provided: See EDI Customer Order Edit (ORD400CE).

Example: For a sample UPDATE report, see Appendix 1.

EDI Customer Order Not Accepted - UPDATE Report (ORD410)

Description: This program reports customer orders that are unacceptable, that is, the orders contain at least one fatal error. All fatal and non-fatal errors appear on the report.

The system does not assign a number to the order. Instead, order number XXXXXX-XX appears at the top of the page. A separate page is printed for each order. Order header and detail records were deleted from the EDI Link Customer Order Header (XOP) file and EDI Link Customer Order Detail (XEP) file, and were added to the EDI Return Header Link (ROP) file and the EDI Return Detail Link (REP) file.

Data Provided: See EDI Customer Order Edit (ORD400CE).

Example: For a sample UPDATE report, see Appendix 1.

EDI Customer Order Accepted - UPDATE Report (ORD410)

Description: This program reports customer orders that are acceptable. These orders contain no errors.

The system assigns a number to the order and displays this number at the top of the page. A separate page is printed for each order. Order link header records were deleted from the EDI Customer Order Header (XOP) Link file and the order link detail records were deleted from the EDI Customer Order Detail Link (XEP) file. These records were added to the transaction files (OH, O2, O4, O5, O6, and BF).

Data Provided: See EDI Customer Order Edit (ORD400CE).

Example: For a sample UPDATE report, see Appendix 1.

LINK FILE MAINTENANCE (EDILINKXEF)

Description: Link File Maintenance (EDILINKXEF) provides direct access to a DFU used to enter and maintain the records in the EDI XEF logical file. This file includes the following EDI physical files:

- XEP - EDI Customer Order Detail Link File
- XFP - EDI PCM Options Link File
- XOP - EDI Customer Order Header Link File

IMPORTANT: You will need to use the IBM command STRDFU to change the DFU to run over your data library. To change the DFU:

1. On a command line, type the command STRDFU and press ENTER to display the AS/400 Data File Utility (DFU) screen.

2. On the command line, type option 3 (Change a DFU program) and press ENTER to display the list of parameters.

3. Type the following parameters:
   Program - EDILINKXEF
   Library - FRNPGM020
   Data file - XEF
   Library - your data library

4. Press ENTER to record the parameter values. Press ENTER 4 more times to complete the change.

Executing The Program: To enter and maintain the XEF file, select Link File Maintenance (EDILINKEXD) from the Electronic Data Interchange - EDI Menu (OEMENUE).

The system first displays the XOP file records (format RF$XO). To display the XEP (format RF$XE) or XFP (format RF$XF) records instead, press F6 from the XOP display. The system displays a selection screen. Type 1 (one) in the "Opt" field of the format to display and press ENTER.

Following is a copy of the XOP display:

```
 EDILINKXEF                                    Mode . . . . :   ENTRY
 Format . . . . :   RF$XO                      File . . . . :   XEF

 Ship to PO#:              ____________________
 Ship to                   _______       Div:              __
 Item:                     _______       Price as:         _______
 Sold to:                  _______       Invoice to:       _______
 Order type:               __
 Sold to PO#:              ____________________
 Order date:               _______       Required date:    _______
 Credit card #:            ____________________
 Crdt crd type:            _____         CC exp date:      _______
 Crdt crd cent:            0
 E-Mail:                   ____________________________________________________
 Ship to wh:               __            Sold to wh:       __
 Cash terms:               ___           Note 1:           _____
 Note 2:                   _____         Note 3:           _____
 Note 4:                   _____         Note 5:           _____
 Cr reason:                __            Ref#:             ________
 Ack flag:                 _             Promotion name:   _________

 F3=Exit                F5=Refresh              F6=Select format
 F9=Insert              F10=Entry               F11=Change
```

Use this display to add and/or maintain XOP records.

To add a record, press F10 for Entry mode. Type the record information and press ENTER.

To change an existing record, press F11 for Change mode. The system allows changes to the record. To insert a field in a record, press F9.

Following is a copy of the XEP display:

```
EDILINKXEF                                  Mode . . . . :   ENTRY
Format . . . . :   RF$XE                    File . . . . :   XEF

Ship to PO#:          ____________________
Ship to:              _______           Item:              _______
Order qty SUM:        ____________      Product number:    ________________
SUM:                  ___
Customer product nbr: ___________________________________
Actual price:         _______________   NC:                _
Price protect:        _                 Required date:     _______
Warehouse:            __                Disc1%:            _______
Disc2%:               _______           Disc3%:            _______
Discount amount:                .000    Price at quantity: _____________
Tax code:             _                 Charge code:       ________
Drop ship flag:       _                 Sls 1:             ______
Sls 2:                ______            Sls 3:             ______
Sls 1 %:              _____             Sls 2 %:           _____
Sls 3 %:              _____             Commission:        _______
Price per:            _                 Comment grp with:  _
Netf:                 _                 Change flag:       _

F3=Exit                F5=Refresh              F6=Select format
F9=Insert              F10=Entry               F11=Change
```

Use this display to add and/or maintain XEP records.

To add a record, press F10 for Entry mode. Type the record information and press ENTER.

To change an existing record, press F11 for Change mode. The system allows changes to the record. To insert a field in a record, press F9.

Following is a copy of the XFP display:

```
 EDILINKXEF                                    Mode . . . . :   ENTRY
 Format . . . . :   RF$XF                      File . . . . :   XEF

 Ship to PO#:      _____________________
 Ship to:          _______
 Item:             _______
 Option:           ________________
 Option selection: ________________
 Dim/Qty:               .00000
 Description:      ____________________________________________________
 Model set item:   _______

 F3=Exit                 F5=Refresh              F6=Select format
 F9=Insert               F10=Entry               F11=Change
```

Use this display to add and/or maintain XFP records.

To add a record, press F10 for Entry mode. Type the record information and press ENTER.

To change an existing record, press F11 for Change mode. The system allows changes to the record. To insert a field in a record, press F9.

When you have completed entering and/or maintaining records, press F3 to exit. The system displays an exit screen which lists the number of records added and changed. Type the letter Y (the default value) and press ENTER to exit, or type N and press ENTER to return to the DFU.

ORDER COPY (ORD450)

Description: Use Order Copy (ORD450) to create a new sales order for each customer in a specific copy order group by copying a selected existing sales order. This program adds records to the EDI Customer Order Link (XOP and XEP) files, then calls the program Customer Order Update (ORD400CU).

Customer Order Update (ORD400CU) produces the following reports:

o EDI Link Error Report - UPDATE (ORD400)
o EDI Customer Order Accepted With Non-Fatal Errors - UPDATE (ORD410)
o EDI Customer Order Not Accepted Report - UPDATE (ORD410)
o EDI Customer Order Accepted Report - UPDATE (ORD410)

For more information on these reports, see the "Customer Order Update (ORD400CU)" section of this manual.

Executing The Program: To copy an existing order to the copy group, select Order Copy (ORD450) from the EDI Menu (OEMENUE). The program displays an option screen used to specify the order to copy, copy group, and order header fields to be copied. If you submit this program multiple times, each request will retain its own options.

Type the following and press ENTER:

o order to be copied, the copy-from order and suffix (if needed)
  The copy-from order should have a ship to purchase order number. If it does not, the "Ship-to po#" field appears, as well as an error message that requests the ship to purchase order number. The system also copies the bill to purchase order number, if one appears on the copy-from order.
o copy group
o source order header fields, for each option type one of the following codes:
  N - (default) to update the field in the normal manner, for example from the customer master or the parameters
  Y - if the field value should be copied from the copy-from order

  If the letter Y appears in the "Price protected" field, then the order header price protected field value and the following line item field values will be copied from the copy-from order: no charge code, price protected, discount percentages (1,2,3), discount amount, price at quantity, salesperson (1,2,3), rate (1,2,3), total commission percentage, per pricing code, net price, and unit price. The order line item line number, quantity, account alpha code, product number, unit of measure, drop ship flag, and comments always are copied from the copy-from order.

NOTE: Interbranch and configured orders cannot be generated using Order Copy (ORD450). Also, the copy-from order may not include line numbers that include suffixes (1.01, 1.02, and so on). These line numbers are reserved for system use, therefore, the program will reject the order with a fatal error.

After you make your selections, press ENTER. Then press F3 to submit the job, or press F12 to cancel the request. When you press F3, if the value in the system

parameter BATSBM is the letter Y, then a confirmation window will appear. Press F18 to submit the program, or press F12 to cancel the request. If the value in BATSBM is the letter N, no window will appear.

INTRODUCTION TO EDI ORDER STATUS

EDI Order Status allows you to receive, create, change, and delete inbound EDI Order Inquiry (869) transactions. These transactions then are read by a batch program which creates EDI Order Inquiry (870) transactions for all affected customers.

Frontier provides two EDI order status physical files:

- EDI Order Inquiry Link (EOI) file, for 869 transactions
- EDI Order Status Link (EOS) file, for 870 transactions

Inbound 869 Transactions

The EDI Order Inquiry Link (EOI) file receives the 869 transaction records sent from the customer. The system then allows you to create, maintain, and/or delete that customer's EOI file records automatically or manually.

Automatic Maintenance

Use the "EDI Ord sts flag" field in Customer Master Maintenance (CM52) to indicate when the EOI (EDI Order Inquiry Link) file will be updated automatically for a customer. If the value in this field is the letter Y, updates occur under the following conditions:

o You change the order required date in Order Header Maintenance (OE53) for this customer's order. The system adds the inquiry origin code 3 and the line status code RD to the file for the changed date.

o You delete a detail line from this customer's order in Rapid Order Entry Maintenance (OE51) or Order Detail (OE54). The system adds the inquiry origin code 3 and the line status code IC to the file for the deleted item.

o You cancel this customer's order in Ship and Bill Maintenance (OE57). The system adds the inquiry origin code 3 and the line status code DE to the file for the cancelled order.

o You add or change the order promise date in Sales Order Promising (OE62). The system adds the inquiry origin code 3 and the line status code RD to the file for the item.

Manual Maintenance

In addition, you may use the on-line program EDI Order Status Maintenance (OE35) to add, maintain, or delete records from the EOI file. You can display the file either in ascending ship to purchase order number sequence or in

ascending sales order number sequence, beginning with a selected order number. You then can maintain any field except the "Inquiry Origin" field. However, any data you input will not be validated by the system.

Outbound 870 Transactions

The EDICNTRL parameter displays the control number range for outbound EDI records. This parameter also holds the next control number to be used by the system.

The batch report EDI Order Status (ORD870) can be run in edit (ORD870E) or update (ORD870U) mode. The program reads the EOI file records, creates the outbound 870 transactions, places the 870 transactions in the EDI Order Status Link (EOS) file, and (in update mode only) purges the records from the EOI file. For each inbound detail (with a line item) 869 record, the program creates a detail and a header 870 transaction record. For each inbound header (without a line item) 869, the program creates a header 870 transaction.

EDI Order Status (ORD870) generates a report, which lists the EOS transactions. The report also will include an error message for each order with errors, each customer with no orders, and each invalid customer number.

Once the EDI Order Status (EOS) file records no longer are needed, use the Purge EDI Link Files (EDI900) program to purge the file.

EDI ORDER STATUS MAINTENANCE (OE35)

PROGRAM SUMMARY

Use EDI Order Status Maintenance (OE35) to display, create, maintain, and/or delete records in the EDI Order Inquiry Link (EOI) file on line. You can display the file either in ascending ship to purchase order number sequence or in ascending sales order number sequence, beginning with a selected order number. You then can maintain any field except the "Inquiry Origin" field. However, any data you input will not be validated by the system.

Function Keys:

F3 - Exit
F6 - Fold and unfold screen
F9 - Add
F10 - Menu Bar

Program Functions:

To display the file in order by ship to purchase order -
Type the ship to purchase order number at which to begin the display in the "Ship to PO Nbr" prompt field. Press ENTER.

To display the file in order by sales order -
Type the sales order number at which to begin the display in the "Sales Order Nbr" prompt field. Press ENTER.

To change records in the file -
Display the record to change. Type the changes, as needed. Press ENTER.

To add records to the file -
Press F9 to display blank lines. Type the new records. Press ENTER.

To delete records from the file -
Display the record to delete. Type the letter D in the function field of the record to delete. Press ENTER.

FOLDED SCREEN FIELD LEVEL HELP

The prompt fields are:

Ship to PO Nbr - SPO#
This field accepts and/or displays the ship to customer purchase order number.

Sales Order Nbr - ORD#

This field accepts and/or displays the sales order number.

Sales order numbers are assigned when the order is created in Order Header Maintenance (OE53) or Rapid Order Entry Maintenance (OE51); RMA order numbers are assigned in RMA Entry/ Maintenance (RM51).

The following data fields appear on the folded part of the screen:

Customer Number - STKY
This field accepts and/or displays the number of the customer to whom orders will be shipped. You may override the ship to customer number in Order Header Maintenance (OE53) or Rapid Order Entry Maintenance (OE51) when you create a sales order.

On a selection screen or in the prompt area, if you type a question mark, invalid customer number, or the first portion of a customer number, the system displays a list of existing customers in the Customer Master Window (CM01). If you type a question mark, the display begins with the first customer in the file. If you type an invalid name or a portion of the name, the display begins with the next valid customer. Move your cursor to a customer and press ENTER to select that customer.

Div - EIDIV
DV note type in Note Type Maintenance (NF68) -

This field displays the sales order customer's division.

Sales Order Number - ORD#
This field accepts and/or displays the sales order number.

Sales order numbers are assigned when the order is created in Order Header Maintenance (OE53) or Rapid Order Entry Maintenance (OE51); RMA order numbers are assigned in RMA Entry/ Maintenance (RM51).

SUFX
This field accepts and/or displays a two-digit suffix number that indicates the backorder level.

Line Item Number - ITEM
This field accepts and/or displays the number of each line item.

Ship to Customer PO # - SPO#
This field accepts and/or displays the ship to customer purchase order number.

Invoice # - INV#
This field accepts and/or displays the invoice number.

Invoices (INV001), the program used to generate invoices, assigns a number to each sales order invoice, starting with the value in the DAINV# parameter.

function field - FLDF
This field accepts the letter D to delete the record.

UNFOLDED SCREEN FIELD LEVEL HELP

The following additional fields appear on the unfolded part of the screen:

Product Number - EIPS
This field accepts and/or displays the number of the ordered product.

Inquiry Origin - ORG
This field displays one of the following inquiry origin code:

1 - for inquiries received from customers
2 - for records created in EDI Order Status Maintenance (OE35)
3 - for all other records

Customer Product Number - EICPN
This field accepts and/or displays the customer product number for this product.

Line Status - LNC
This field displays one of the following line status codes:

DE - sales order cancelled in Ship and Bill Maintenance (OE57)

IC - line item deleted in Rapid Order Entry Maintenance (OE51) or Order Detail (OE54)

RD - order required date changed in Order Header Maintenance (OE53) or order promise date changed in Sales Order Promising (OE62)

Quantity Deleted - EIOQS
This field displays the quantity of the deleted item.

Reference Number - EIREF
This field accepts and/or displays a user-defined reference number.

HOW TO PERFORM BASIC FUNCTIONS

Displaying a list of orders by ship to purchase order number

1. Type the ship to purchase order number at which to begin the display in the "Ship to PO Nbr" prompt field.

2. Press ENTER.

Displaying a list of orders by sales order number

1. Type the sales order number at which to begin the display in the "Sales Order Nbr" prompt field.

2. Press ENTER.

Changing a record in the file

1. Display the record to change.

2. Type the changes, as needed.

3. Press ENTER. The program records the changes, but will not validate the new data.

Adding a record to the file

1. Press F9 to display blank lines. Type the new records, as needed.

2. Press ENTER. The value in the "Inquiry Origin" field of each new record will be the number 2.

Deleting a record from the file

1. Display the record to delete.

2. Type the letter D in the function field for that record.

3. Press ENTER.

ORDER STATUS EDIT (ORD870E)

Description: Use Order Status Edit (ORD870E) to create the 870 transactions from the 869 transactions in the EDI Order Inquiry Link (EOI) file and list the transactions on a report. This program will not purge records from the EDI Order Inquiry Link (EOI) file. Use Order Status Update (ORD870U) to purge the EOI file.

Executing The Program: To print a list of 870 transactions, select Order Status Edit (ORD870E) from the EDI Menu (OEMENUE) and press ENTER.

When you press ENTER, if the value in the system parameter BATSBM is the letter Y, then a confirmation window will appear. Press F18 to submit the program, or press F12 to cancel the request. If the value in BATSBM is the letter N, no window will appear.

Data Provided: The report includes the following information for each order:

o CUSTOMER NUMBER: Ship-to customer number (EISTKY).

o SALES ORDER NUMBER: Sales order number and suffix (EIORD#; EISUFX).

o SHIP-TO PO ORDER NUMBER: Ship-to customer purchase order number (EISPO#).

o INVOICE NUMBER: Invoice number (EIINV#).

o PRODUCT NUMBER: Product number of the ordered product (EIPS).

o CUSTOMER PRODUCT NUMBER: Customer product number for the ordered product (EICPN).

o INQUIRY ORIGIN: Inquiry origin code (EIORG). Valid codes are:

  1 - order inquiry by customer
  2 - order created in Order Status Maintenance (OE35)
  3 - all other orders

o ITEM NUMBER: Line item number from the sales order (EIITEM).

o LINE STATUS CODE: Valid line status codes (EILNC) are:

  DE - order cancelled in Ship and Bill Maintenance (OE57)
  IC - line item deleted in Rapid Order Entry Maintenance (OE51) or Order Detail (OE54)
  RD - order required date changed in Order Header Maintenance (OE53) or line promise date changed in Sales Order Promising (OE62)

o QUANTITY DELETED: Quantity deleted (EIOQS).

o CUSTOMER REFERENCE NUMBER: Customer reference number (EIREF).

o SALES ORDER NUMBER: Sales order number and suffix (EOORD#; EOSUFX).

o SHIP TO NUMBER: Ship to customer number (EOSTKY).

o BILL TO NUMBER: Bill to customer number (EOBTKY).

o INVOICE NUMBER: Invoice number (EOINV#).

o SHIP TO CUSTOMER PO#: Ship to customer purchase order number (EOSPO#).

o CUSTOMER PRODUCT NUMBER: Customer product number for the ordered product (EOBTPN).

o SALES UNIT PRICE: Unit price for the line item in the sales unit of measure (EOARTL).

o PRODUCT NUMBER: Product number of the ordered product (EOPN).

o PRODUCT DESC.: Description of the ordered product (EODESC).

o ORDER QUANTITY: Quantity of product ordered in the sales unit of measure (EOOQS).

o SALES UNIT OF MEASURE: Sales unit of measure for the ordered product (EOSUM).

o CUST PRODUCT DESC: Customer product description for the ordered product (EOBTDS).

o LINE STATUS CODE: Valid line status codes (EOLNC) are:

  DE - order cancelled in Ship and Bill Maintenance (OE57)
  IC - line item deleted in Rapid Order Entry Maintenance (OE51) or Order Detail (OE54)
  RD - order required date changed in Order Header Maintenance (OE53) or line promise date changed in Sales Order Promising (OE62)

o STATUS RESPONSE CODE: Status response code (EOSRC).

o EDI ACKNOWLEDGEMENT: EDI functional acknowledgment code (EOAF) appears when a functional acknowledgement is received.

o CONTROL NUMBER: Control number assigned (EOCNT) to the transaction.

o PROMISED DATE: Promised date for the line item (EOPRMM; EOPRMY; EOPRCT).

o ORDER DATE ENTERED: Date the purchase order was entered (EOPOD).

o CUSTOMER REFERENCE NUMBER: Customer reference number (EOREF).

Example: For a sample report, see Appendix 1.

ORDER STATUS UPDATE (ORD870U)

Description: Use Order Status Update (ORD870U) to create the 870 transactions from the 869 transactions in the EDI Order Inquiry Link (EOI) file, place the records in the EDI Order Status Link (EOS) file, list the transactions on a report, and purge records from the EDI Order Inquiry Link (EOI) file. Use Order Status Update (ORD870U) to purge the EOI file.

Executing The Program: To create and print a list of 870 transactions, and purge the EOI file, select Order Status Update (ORD870U) from the EDI Menu (OEMENUE) and press ENTER.

When you press ENTER, if the value in the system parameter BATSBM is the letter Y, then a confirmation window will appear. Press F18 to submit the program, or press F12 to cancel the request. If the value in BATSBM is the letter N, no window will appear.

Data Provided: The report includes the following information for each order:

o CUSTOMER NUMBER: Ship-to customer number (EISTKY).

o SALES ORDER NUMBER: Sales order number and suffix (EIORD#; EISUFX).

o SHIP-TO PO ORDER NUMBER: Ship-to customer purchase order number (EISPO#).

o INVOICE NUMBER: Invoice number (EIINV#).

o PRODUCT NUMBER: Product number of the ordered product (EIPS).

o CUSTOMER PRODUCT NUMBER: Customer product number for the ordered product (EICPN).

o INQUIRY ORIGIN: Inquiry origin code (EIORG). Valid codes are:

  1 - order inquiry by customer
  2 - order created in EDI Order Status Maintenance (OE35)
  3 - all other orders

o ITEM NUMBER: Line item number from the sales order (EIITEM).

o LINE STATUS CODE: Valid line status codes (EILNC) are:

  DE - order cancelled in Ship and Bill Maintenance (OE57)
  IC - line item deleted in Rapid Order Entry Maintenance (OE51) or Order Detail (OE54)
  RD - order required date changed in Order Header Maintenance (OE53) or line promise date changed in Sales Order Promising (OE62)

o QUANTITY DELETED: Quantity deleted (EIOQS).

o CUSTOMER REFERENCE NUMBER: Customer reference number (EIREF).

o SALES ORDER NUMBER: Sales order number and suffix (EOORD#; EOSUFX).

o SHIP TO NUMBER: Ship to customer number (EOSTKY).

o BILL TO NUMBER: Bill to customer number (EOBTKY).

o INVOICE NUMBER: Invoice number (EOINV#).

o SHIP TO CUSTOMER PO#: Ship to customer purchase order number (EOSPO#).

o CUSTOMER PRODUCT NUMBER: Customer product number for the ordered product (EOBTPN).

o SALES UNIT PRICE: Unit price for the line item in the sales unit of measure (EOARTL).

o PRODUCT NUMBER: Product number of the ordered product (EOPN).

o PRODUCT DESC.: Description of the ordered product (EODESC).

o ORDER QUANTITY: Quantity of product ordered in the sales unit of measure (EOOQS).

o SALES UNIT OF MEASURE: Sales unit of measure for the ordered product (EOSUM).

o CUST PRODUCT DESC: Customer product description for the ordered product (EOBTDS).

o LINE STATUS CODE: Valid line status codes (EOLNC) are:

  DE - order cancelled in Ship and Bill Maintenance (OE57)
  IC - line item deleted in Rapid Order Entry Maintenance (OE51) or Order Detail (OE54)
  RD - order required date changed in Order Header Maintenance (OE53) or line promise date changed in Sales Order Promising (OE62)

o STATUS RESPONSE CODE: Status response code (EOSRC).

o EDI ACKNOWLEDGEMENT: EDI functional acknowledgment code (EOAF) appears when a functional acknowledgement is received.

o CONTROL NUMBER: Control number assigned (EOCNT) to the transaction.

o PROMISED DATE: Promised date for the line item (EOPRMM; EOPRMY; EOPRCT).

o ORDER DATE ENTERED: Date the purchase order was entered (EOPOD).

o CUSTOMER REFERENCE NUMBER: Customer reference number (EOREF).

Example: For a sample report, see Appendix 1.

APPENDIX 1 - REPORT SAMPLES

Following are EDI report samples:

Purchase Order 1
Acknowledgement (ORD001) 2
Advance Ship Notice (ORD030) 3
Invoice Print & Update (INV001) 4
Sales & Credit Memos Report (ARJ006) 5
Daily EDI Invoice Register (INV010E) 6
EDI Link Error Report - EDIT (ORD400) 7
EDI Customer Order Accepted With Non-Fatal Errors - EDIT (ORD410) . . . 8
EDI Customer Order Not Accepted Report - EDIT (ORD410) 9
EDI Customer Order Accepted Report - EDIT (ORD410) 10
EDI Link Error Report - UPDATE (ORD400) 11
EDI Customer Order Accepted With Non-Fatal Errors - UPDATE (ORD410) . . . 12
EDI Customer Order Not Accepted Report - UPDATE (ORD410) 13
EDI Customer Order Accepted Report - UPDATE (ORD410) 14
Order Status (ORD870) 15

1 01 4012

2/07/04

200
CAMDEN LUMBER SUPPLY
1475 NORTH LANDON
STEVENSON IL 60457

FRIEDMAN CORPORATION
SUITE 200
104 WILMOT ROAD
DEERFIELD IL 60015

ATTN:

NOTIFY

847-555-4711 80
CONFIRMING ORDER 2/07/04 STEVE BECKER
AIR FREIGHT

NET 15 DAYS

DESTINATION

1.00	10	EA	QA21	QUEEN BEE PROD	2/15/04	10.0000	EA	01-00-114-000	LINE CLOSED

REQUISITION NUMBER 004678
BEST WAY POSSIBLE
PREFERRED VENDOR; REDUCED INSPECTION APPLIES

PO VALUE 100.00

12-09-03 14:48:05   *** ACKNOWLEDGEMENT ***   REASON OVER LIMIT

WAREHOUSE: 01
WAREHOUSE 01 - NORTH CHICAGO
4646 N. KEELER
CHICAGO   IL 60055

	D A T E
RECEIVED	00-00-00
ENTERED	00-00-00
ACK PRT	00-00-00
SHIPPED	00-00-00
SHP DTE	00-00-00
INVOICE	00-00-00

BILL TO: 111111
  ROPER INDUSTRIES
  111111 S.W. STREET
  ATTN: PURCHASING DEPT.

  INDIANAPOLIS   IN 55510

SHIP TO: 111111
ROPER INDUSTRIES
111111 S.W. STREET
ATTN: PURCHASING DEPT.

INDIANAPOLIS   IN 55510

SHIP TO PO#	SOLD TO PO#	TERMS	DIV	ORD#	SUF	OT	ORD DTE	REQ DTE	S-BR	B-BR
P900278	P900278	2/10 NET 30 DAYS	02	363 - 00		SI	00-00-00	00-00-00	01	01

CARRIER	SHIPPING INSTRUCTIONS	FRT TERM	CR REG	CTY CDE	CTRY CDE	TAX GRP	REF#
UNITED PARCEL	AIR FREIGHT	COL	01	COK		1	

DESCRIPTION	PRODUCT NUMBER	QUANTITY	PC	PER	QTY	EXTENDED UNIT PRC	U M	N T X	N C	COM RATE	WEIGHT	FCC	PRICING
QUEEN ANNE TABL	QAW	6		1		408.72	GM	Y		20.00	50.0000		
						68.12						TABLES	TABL 50
YOUR PRODUCT	WALQA	QUEEN ANNE TABLE, WALNUT											
		6				ORDER TOTALS					300.0000		408.72
						TAX							24.00
						TOTAL							432.72

SHIP ORDER COMPLETE---- NO BACKORDER

ORDER#: 20268

SHIP TO: NATIONAL DISTRIBUTORS, INC.
100000 P.O. BOX 78822
1300 MAIN LINE ROAD
CHICAGO IL 60640

SOLD TO: NATIONAL DISTRIBUTORS, INC.
100000 P.O. BOX 78822
1300 MAIN LINE ROAD
CHICAGO IL 60640

PRINT DATE: 9-13-03
TIME: 10:17:50

SHIP TO P.O.#	SOLD TO P.O.#	PICKED BY	ORDER DATE	BL WH	SH WH	TAX	SLSM
			8-15-03	01	01	001	MARY

SHIPPING INSTRUCTIONS	FREIGHT CHARGES	SHIP NO LATER THAN	CUSTOMER TERMS
COMMERCIAL TRUCK LIN	PRE-PAID	8-15-03	2% 10 DAYS NET 30

PRODUCT NUMBER	DESCRIPTION	LOT #	QTY ORDERED	QTY PICKED	QTY BACK-ORD	PRICE	NET$
QAC	QUEEN ANNE TABLE, CHERRY		100	100	100	1.00	100.00
YOUR PRODUCT TEST CUST PROD# FOR QAC,100000							
QAC	QUEEN ANNE TABLE, CHERRY		10	10	10		
YOUR PRODUCT TEST CUST PROD# FOR QAC,100000							

IF PAID BY 09-14-03 DEDUCT 2.00

TOTAL 01.00

BILL TO
100000
WESTERN MEDICAL SUPPLY
93 E. KIT CARSON DRIVE
PHOENIX CA 85039

SHIP TO
100000
WESTERN MEDICAL SUPPLY
93 E. KIT CARSON DRIVE
PHOENIX CA 85039

INVOICE DATE	INVOICE NUMBER	BL WH	SH WH	CUST TYPE	TAX	CUST PO#	DROP SHIP PO#
10-03-03	0000252	01	01	D	1		

ORDER#	SLSM	FRT	SHIPPING INSTRUCTIONS	CUSTOMER TERMS
6052-00	KEN	PPD	AIR FREIGHT	1% 20 NET 30 D

SHIPPED	BACK-ORDERED	PART NUMBER	DESCRIPTION	PRICE	NET
			CURRENCY		
12		9724	1HP, 1800RPM, 208 VOLT, ODP	5.00	5.00
YOUR PRODUCT HFS350			HARTMAN FORCEPS STRAIGHT 3 1/2		
			SUB TOTAL		5.00
			IF PAID BY 10-23-03 DEDUCT		.05
			HANDLING CHARGES		5.00
					10.00

INVOICE NUMBER	INVOICE DATE	TY	CR	INVOICE AMOUNT	DISCOUNT	NET AMOUNT	ORDER NUMBER	WH	CUSTOMER
0002050	9/20/03	SI		10.00	.05	9.95	6052 00	01	100000 WESTERN SUPPLY

DAILY EDI INVOICE REGISTER

ORDER-#	NAME	SOLD-TO / SHIP-TO	INVOICE	TP	MERCHANDISE	MISC CHARGE	FREIGHT	TAX	TOTAL	COST	MARG %
6052-00	WESTERN MEDICAL SUPPLY	100000	0000252	SI	5.00		.00		10.00		444.40-
		100000				5.00		.00		27.2200	
TOTAL CUSTOMER					5.00	5.00			10.00		
		** BRANCH TOTAL **			5.00	5.00			10.00		
		* GRAND TOTAL *			5.00	5.00			10.00		

The following orders will be removed from the received link file and added to the return link file.

CUSTOMER NO.	SHIP TO PO#	LINE ITEM#	PART NO.	ERROR
100000	100			Order header exists but no detail
1	54610E			Order detail exists but no header
1	54612E			Duplicate header record for this group of orders
1	54612E			Duplicate header record for this group of orders
1	54613E			Order detail exists but no header
1	54640E			Invalid order type (99) must be (SI, CM, QT, IO).
1	54640E	999.00		Invalid group with code (9) must be (Blank -or- G).
1	54640E	999.00		Invalid customer part number (999999999999999) for customer (999999)
1	5467E			Order header exists but no detail
1	5468E			Order header exists but no detail

Program: ORD410 Date: 10/18/03 Page: 1

EDI CUSTOMER ORDER ACCEPTED WITH NON-FATAL ERRORS (EDIT) Time: 00:00:00

INVOICE TO: 2

STEVENSON PRODUCTS
123 FIRST STREET
SUITE 204

CHICAGO IL 60064

BILL TO PO#

SHIP TO: 2

STEVENSON PRODUCTS
123 FIRST STREET
SUITE 204

CHICAGO IL 60604

SHIP TO PO#	DIV.	ORDER DATE	REQ. DATE
54614E	01	10/18/03	10/18/03

* Ship to PO#(54614E) for cust#(2) already exists

ITEM No.	PART No./COMMENT	WH	PART DESCRIPTION	QUANTITY	SUM	PRICE	EXTENDED PRICE
1.00	PIPE 1'	01	PIPE 1'	10	BX	100.00	1000.00
2.00	PIPE 2'	01	PIPE 2'	10	BX	200.00	192.00
3.00	PIPE 3'	01	PIPE 3'	10	EA	10.00	100.00
4.00	PIPE 4'	01	PIPE 4'	10	EA	10.00	100.00

Program: ORD410 Date: 10/18/03 Page: 1

EDI CUSTOMER ORDER NOT ACCEPTED REPORT (EDIT) Time: 00:00:00

The following order will be removed from EDI Link files and added to the EDI Return Link files.
* Non-fatal Error
** Fatal Error

INVOICE TO: 1

CONNERS, INC.
505 SIXTH AVENUE
BUILDING 1105

ALGONQUIN IL 60035
BILL TO PO#

SHIP TO: 1

CONNERS, INC.
505 SIXTH AVENUE
BUILDING 1105

ALGONQUIN IL 60035

SHIP TO PO#	DIV.	ORDER DATE	REQ. DATE
54620E	01	10/18/03	10/18/03

* Ship to PO#(54620E) for cust#(1) already exists
** Invalid cash terms (XXX).

ITEM No.	PART No./COMMENT	WH	PART DESCRIPTION	QUANTITY	SUM	PRICE	EXTENDED PRICE
1.00	DGKHF	01	PIPE 1'	10			
* Insufficient stock available.							
2.00	PIPE 1'	01	PIPE 1'	10	BX	100.00	1000.00
3.00	PIPE 1'	01	PIPE 1'	10	BX	10.00	100.00
4.00	PIPE 1'	01	PIPE 1'	10	BX	100.00	1000.00

Program: ORD410 Date: 10/18/03 Page: 1

EDI CUSTOMER ORDER ACCEPTED REPORT (EDIT) Time: 00:00:00

INVOICE TO: 2

STEVENSON PRODUCTS
123 FIRST STREET
SUITE 204

CHICAGO IL 60602

BILL TO PO#

SHIP TO: 2

STEVENSON PRODUCTS
123 FIRST STREET
SUITE 204

CHICAGO IL 60602

SHIP TO PO#	DIV.	ORDER DATE	REQ. DATE
54640E	01	10/18/03	10/18/03

ITEM No.	PART No./COMMENT	WH	PART DESCRIPTION	QUANTITY	SUM	PRICE	EXTENDED PRICE
1.00	PIPE 1'	01	PIPE 1'	10	BX	100.00	1000.00
2.00	PIPE 2'	01	PIPE 2'	10	BX	200.00	192.00
3.00	PIPE 3'	01	PIPE 3'	10	EA	10.00	100.00
4.00	PIPE 4'	01	PIPE 4'	10	EA	10.00	100.00

The following orders will be removed from the received link file and added to the return link file.

CUSTOMER NO.	SHIP TO PO#	LINE ITEM#	PART NO.	ERROR
100000	100			Order header exists but no detail
1	54610E			Order detail exists but no header
1	54612E			Duplicate header record for this group of orders
1	54612E			Duplicate header record for this group of orders
1	54613E			Order detail exists but no header
1	54640E			Invalid order type (99) must be (SI, CM, QT, IO).
1	54640E	999.00		Invalid group with code (9) must be (Blank -or- G).
1	54640E	999.00		Invalid customer part number (999999999999999) for customer (999999)
1	5467E			Order header exists but no detail
1	5468E			Order header exists but no detail

ORDER NUMBER 6660-00

INVOICE TO: 2

STEVENSON PRODUCTS
123 FIRST STREET
SUITE 204

CHICAGO IL 60064

BILL TO PO#

SHIP TO: 2

STEVENSON PRODUCTS
123 FIRST STREET
SUITE 204

CHICAGO IL 60604

SHIP TO PO#	DIV.	ORDER DATE	REQ. DATE
54614E	01	10/18/03	10/18/03

* Ship to PO#(54614E) for cust#(2) already exists

ITEM No.	PART No./COMMENT	WH	PART DESCRIPTION	QUANTITY	SUM	PRICE	EXTENDED PRICE
1.00	PIPE 1'	01	PIPE 1'	10	BX	100.00	1000.00
2.00	PIPE 2'	01	PIPE 2'	10	BX	200.00	192.00
3.00	PIPE 3'	01	PIPE 3'	10	EA	10.00	100.00
4.00	PIPE 4'	01	PIPE 4'	10	EA	10.00	100.00

Program: ORD410 Date: 10/18/03 Page: 1

EDI CUSTOMER ORDER NOT ACCEPTED REPORT (UPDATE) Time: 00:00:00

The following order has been removed from the EDI Link files and added to the EDI Return Link files.

* Non-fatal Error
** Fatal Error

ORDER NUMBER XXXXXX-XX

INVOICE TO: 1	SHIP TO: 1
CONNERS, INC.	CONNERS, INC.
505 SIXTH AVENUE	505 SIXTH AVENUE
BUILDING 1105	BUILDING 1105
ALGONQUIN IL 60035	ALGONQUIN IL 60035
BILL TO PO#	SHIP TO PO# DIV. ORDER DATE REQ. DATE
	54620E 01 10/18/03 10/18/03

* Ship to PO#(54620E) for cust#(1) already exists
** Invalid cash terms (XXX).

ITEM No.	PART No./COMMENT	WH	PART DESCRIPTION	QUANTITY	SUM	PRICE	EXTENDED PRICE
1.00	DGKHF	01	PIPE 1'	10			
* Insufficient stock available.							
2.00	PIPE 1'	01	PIPE 1'	10	BX	100.00	1000.00
3.00	PIPE 1'	01	PIPE 1'	10	BX	10.00	100.00
4.00	PIPE 1'	01	PIPE 1'	10	BX	100.00	1000.00

Program: ORD410 Date: 10/18/03 Page: 1

EDI CUSTOMER ORDER ACCEPTED REPORT (UPDATE) Time: 00:00:00

ORDER NUMBER 6670-00

INVOICE TO: 2

STEVENSON PRODUCTS
123 FIRST STREET
SUITE 204

CHICAGO IL 60602

BILL TO PO#

SHIP TO: 2

STEVENSON PRODUCTS
123 FIRST STREET
SUITE 204

CHICAGO IL 60602

SHIP TO PO#	DIV.	ORDER DATE	REQ. DATE
54640E	01	10/18/03	10/18/03

ITEM No.	PART No./COMMENT	WH	PART DESCRIPTION	QUANTITY	SUM	PRICE	EXTENDED PRICE
1.00	PIPE 1'	01	PIPE 1'	10	BX	100.00	1000.00
2.00	PIPE 2'	01	PIPE 2'	10	BX	200.00	192.00
3.00	PIPE 3'	01	PIPE 3'	10	EA	10.00	100.00
4.00	PIPE 4'	01	PIPE 4'	10	EA	10.00	100.00

ORDER STATUS INQUIRY FILE
Customer number 7515 Sales order number 33704 00 Ship-to po order number 7515001 Invoice number
Product number Customer product number Inquiry origin 3
Item number 00000 Line status code DE Quantity Deleted Customer ref number

ORDER STATUS LINK FILE
Sales order number 033704 00 Ship to number 7515 Bill to number 7515 Invoice number
Ship to customer PO# 7515001 Customer product number Line item # 1.00
Sales unit price 15.00 Product number Product desc.
Order quantity Sales unit of measure EA Cust product desc Line status code DE
Status response code 1 EDI acknowledgement Control Number Promised date 50401
Order date entered Customer reference number

ORDER STATUS INQUIRY FILE
Customer number 7515 Sales order number 33869 00 Ship-to po order number 8500100 Invoice number
Product number Customer product number Inquiry origin 3
Item number 00000 Line status code DE Quantity Deleted Customer ref number

ORDER STATUS LINK FILE
Sales order number 033869 00 Ship to number 7515 Bill to number 7515 Invoice number
Ship to customer PO# 8500100 Customer product number Line item # 1.00
Sales unit price 10.00 Product number Product desc.
Order quantity Sales unit of measure EA Cust product desc Line status code DE
Status response code 1 EDI acknowledgement Control Number Promised date 50701
Order date entered Customer reference number

ORDER STATUS INQUIRY FILE
Customer number 7494 Sales order number 33899 00 Ship-to po order number Invoice number
Product number Customer product number Inquiry origin 3
Item number 00000 Line status code DE Quantity Deleted Customer ref number

ORDER STATUS LINK FILE
Sales order number 033899 00 Ship to number 7494 Bill to number 7494 Invoice number
Ship to customer PO# Customer product number Line item # 1.00
Sales unit price 15.00 Product number Product desc.
Order quantity Sales unit of measure EA Cust product desc Line status code DE
Status response code 1 EDI acknowledgement Control Number Promised date
Order date entered Customer reference number